

August 21, 2003

File 344:Chinese Patents Abs Aug 1985-2003/Mar
(c) 2003 European Patent Office
File 347:JAPIO Oct 1976-2003/Apr(Updated 030804)
(c) 2003 JPO & JAPIO
File 350:Derwent WPIX 1963-2003/UD,UM &UP=200353
(c) 2003 Thomson Derwent

Set	Items	Description
S1	4	AU='ORUI TAKEO'

August 21, 2003

1/5/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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03199160

PREPARATION OF STORABLE ELECTRONIC RANGE FOOD

PUB. NO.: 02-174660 [JP 2174660 A]
PUBLISHED: July 06, 1990 (19900706)
INVENTOR(s): **ORUI TAKEO**
SAKAMOTO TOSHIHIKO
NOMURA TORU
NOSE MASAACKI
APPLICANT(s): FUJIYA KK [000536] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 63-328160 [JP 88328160]
FILED: December 26, 1988 (19881226)
INTL CLASS: [5] A23L-003/00; B65D-081/24; B65D-081/34
JAPIO CLASS: 11.4 (AGRICULTURE -- Food Products); 14.2 (ORGANIC CHEMISTRY
-- High Polymer Molecular Compounds); 31.1 (PACKAGING --
General); 31.2 (PACKAGING -- Containers)
JOURNAL: Section: C, Section No. 762, Vol. 14, No. 443, Pg. 100,
September 21, 1990 (19900921)

ABSTRACT.

PURPOSE: To provide a food having high preservability, capable of being cooked with an electronic range and further capable of being eaten without using failing water by separately charging a main dish and a side dish in the respective chambers of a tray container, sealing the tray container and subsequently thermally sterilizing the sealed tray container at a high temperature.

CONSTITUTION: A main dish and a side dish are charged in the respective chambers of a non-metal tray container separately and in a state having a temperature difference of at least 25 deg.C therebetween, such as the main dish at room temperature and the side dish at 60-80 deg.C, the non-metal tray container being made of a multilayered laminate raw material containing polyvinylidene chloride, etc., having rich gas barrier property and heat resistance and being divided into plural chambers such as two or three chambers. The air contents of the respective chambers are adjusted to 50-80vol.%, respectively, and, if necessary, an inert gas such as nitrogen gas is charged in the respective chambers, followed by subjecting the tray container to a sealing process using a non-metal film and subsequently to a thermal sterilization process at a high temperature.

1/5/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

00477163

PRODUCTION OF INSTANT YOGURT POWDER

PUB. NO.: 54-129163 [JP 54129163 A]
PUBLISHED: October 06, 1979 (19791006)
INVENTOR(s): **ORUI TAKEO**
KOTAJIMA YOSHIMI
ICHIKAWA MASAACKI
NOMURA TORU
FUJII SHUNICHI
APPLICANT(s): FUJIYA KK [000536] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 53-034976 [JP 7834976]
FILED: March 28, 1978 (19780328)
INTL CLASS: [2] A23C-009/10; A23C-009/12

August 21, 2003

JAPIO CLASS: 11.4 (AGRICULTURE -- Food Products)
JAPIO KEYWORD: R017 (POWDERING TECHNIQUES); R018 (FLUIDIZED BEDS); R026
(FOOD PRODUCTS -- Instant Foods)

1/5/3 (Item 3 from file: 347)

DIALOG(R) File 347: JAPIO

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00353065

PRODUCTION OF COFFEE DRINK

PUB. NO.: 54-005065 [JP 54005065 A]

PUBLISHED: January 16, 1979 (19790116)

INVENTOR(s): KOTAJIMA YOSHIMI

ORUI TAKEO

KIDA NOBUAKI

ICHIKAWA MASAACKI

KOMURA YASUYUKI

MUROFUSHI MITSUGI

APPLICANT(s): FUJIYA KK [000536] (A Japanese Company or Corporation), JP
(Japan)

APPL. NO.: 52-069472 [JP 7769472]

FILED: June 14, 1977 (19770614)

INTL CLASS: [2] A23F-001/08

JAPIO CLASS: 11.4 (AGRICULTURE -- Food Products)

1/5/4 (Item 4 from file: 347)

DIALOG(R) File 347: JAPIO

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00267860

PRODUCTION OF CARBONATED DRINK CONTAINING FRUIT MEAT

PUB. NO.: 53-069860 [JP 53069860 A]

PUBLISHED: June 21, 1978 (19780621)

INVENTOR(s): KIDA NOBUAKI

ORUI TAKEO

KOMURA YASUYUKI

MUROFUSHI MITSUGI

APPLICANT(s): FUJIYA KK [000536] (A Japanese Company or Corporation), JP
(Japan)

APPL. NO.: 51-144725 [JP 76144725]

FILED: December 03, 1976 (19761203)

INTL CLASS: [2] A23L-002/26

JAPIO CLASS: 11.4 (AGRICULTURE -- Food Products)

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File 348:EUROPEAN PATENTS 1978-2003/Aug W02

(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20030814,UT=20030807

(c) 2003 WIPO/Univentio

Set	Items	Description
S1	0	AU='ORUI TAKE?'

August 21, 2003

File 344:Chinese Patents Abs Aug 1985-2003/Mar
(c) 2003 European Patent Office
File 347:JAPIO Oct 1976-2003/Apr(Updated 030804)
(c) 2003 JPO & JAPIO
File 350:Derwent.WPIX 1963-2003/UD,UM &UP=200353
(c) 2003 Thomson Derwent

Set	Items	Description
S1	9822	PBX OR PRIVATE()BRANCH?()EXCHANGE?
S2	15826	VOICE()OVER()INTERNET OR INTERNET()PROTOCOL? OR IP OR IPN
S3	3917693	FIND? OR ANALY? OR EXAMIN? OR ASCERTAIN? OR ASSESS? OR CHE- CK? OR CHEQUE? OR CONFIRM? OR DEDUC? OR DETECT? OR DETERMIN? - OR DISCERN? OR DISCRIMINAT? OR DISCOVER? OR IDENTIF? OR LOCAT? OR PINPOINT? OR RECOGNI?
S4	720761	CONGEST? OR CLOG? OR BOTTLENECK? OR PACK? OR BUSY? OR BACK- ?()UP
S5	3640865	SWITCH? OR CHANG? OR ADAPT? OR ADJUST? OR ALTER OR ALTERAB- LE OR CHANG? OR MODIF? OR READJUST?
S6	1961603	ALTERNAT? OR ANOTHER OR DIFFERENT? OR OPTIMAL?
S7	3088217	ROUT? OR PATH? OR LINE? OR NETWORK? OR TRACK? OR CHANNEL?
S8	41594	(CALL? OR SWITCH? OR TRAFFIC?)()CONTROL?
S9	5160	VOICE(3N)CONVERT?
S10	637	REAL()TIME(2N)TRANSPORT? OR RTP
S11	22460	S3(3N)S4
S12	6233	S5(3N)S6(3N)S7
S13	47	S11 AND S12
S14	6	S13 AND S2
S15	1	S13 AND S1
S16	0	S15 NOT S14
S17	1	S13 AND S8
S18	1	S17 NOT S15
S19	0	S13 AND S9
S20	0	S13 AND S10
S21	2	S1 AND S2 AND S11
S22	1	S21 NOT (S18 OR S15)
S23	23	S1 AND S2 AND S8
S24	3	S23 AND (S9 OR S10)
S25	3	S24 NOT (S22 OR S18 OR S15 OR S14)
S26	20	S23 NOT (S25 OR S22 OR S18 OR S14)

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14/5/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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07057724 **Image available**
METHOD AND APPARATUS FOR CONTROLLING OVER LOAD IN MULTI- BRANCH PACKET NETWORK

PUB. NO.: 2001-285361 [JP 2001285361 A]
PUBLISHED: October 12, 2001 (20011012)
INVENTOR(s): BAUER ERIC JONATHAN
MATRAGI WASSIM A
SAMADI BEHROKH
APPLICANT(s): AVAYA TECHNOLOGY CORP
APPL. NO.: 2001-013343 [JP 20011013343]
FILED: January 22, 2001 (20010122)
PRIORITY: 00 488182 [US 2000488182], US (United States of America),
January 20, 2000 (20000120)
INTL CLASS: H04L-012/56; H04L-012/66; H04M-003/00; H04Q-003/58

ABSTRACT

PROBLEM TO BE SOLVED: To provide a method and an apparatus for managing congestion in a multi-branch voice packet field such as a public branch exchange(PBX) and the like of the Internet protocol (IP) base.
SOLUTION: Multi-branch IP base PBXs are interconnected through (i) a packet network referred to as a main network such as wide area network (WAN) and (ii) an alternate network such as public switchboard telephone network (PSTN) and the like. A packet phone adaptor(PPA) accompanying each packet phone unit monitors packet calls and reports delay information to a communication server. When congestion is detected in a main packet network forming the basis, the communication server maintains the quality of voice by re-routing the packet telephone call via a sub network. The packet phone adaptor(PPA) insures the reliability of the congestion information by discarding records collected from calls of which duration time is below a minimum value.

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14/5/2 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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015160030 **Image available**
WPI Acc No: 2003-220558/200321
XRPX Acc No: N03-175973

Traffic flow control system in packet switching network, has two virtual ingress to egress flow control pipes for handling traffic between switching network ports

Patent Assignee: ALCATEL (COGE.)
Inventor: BARRI P I A; PAUWELS B J G; GERARD PAUWELS B J
Number of Countries: 027 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020191542	A1	20021219	US 2002152283	A	20020522	200321 B
EP 1271856	A1	20030102	EP 2001401593	A	20010618	200321

Priority Applications (No Type Date): EP 2001401593 A 20010618

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20020191542	A1	10	G01R-031/08	
EP 1271856	A1 E		H04L-012/56	

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI TR

August 21, 2003

Abstract (Basic): US 20020191542 A1

NOVELTY - A virtual ingress to egress flow control pipe (VIEPa) between determined **switching network** ports is associated with **another** control pipe (VIEPb). The control pipe (VIEPa) handles all traffic between network ports, which are going towards communication channels for which **congestion** is not **detected** and other pipe (VIEPb) handles traffic going towards channels for which **congestion** is **detected**, at the level of an egress termination board.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for packet switched communication network.

USE - For use in packet switching network used for **internet protocol IP** and/or multiprotocol label switching MPLS.

ADVANTAGE - The configuration of the system allows for an efficient and scalable flow control in the large switching network with less resource requirement.

DESCRIPTION OF DRAWING(S) - The figure shows a traffic distribution.

pp; 10 DwgNo 2/5

Title Terms: TRAFFIC; FLOW; CONTROL; SYSTEM; PACKET; SWITCH; NETWORK; TWO; VIRTUAL; INGRESS; EGRESS; FLOW; CONTROL; PIPE; HANDLE; TRAFFIC; SWITCH; NETWORK; PORT

Derwent Class: T01; W01; W05

International Patent Class (Main): G01R-031/08; H04L-012/56

International Patent Class (Additional): G06F-011/00; G08C-015/00

File Segment: EPI

14/5/3 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015149182 **Image available**

WPI Acc No: 2003-209709/200320

XRPX Acc No: N03-167206

Data packet transmission method in cellular radio communication system involves updating parameters of respective RSVP (Resource reServation Protocol) session based on detected signaling packets carrying RESV messages

Patent Assignee: NORTEL NETWORKS LTD (NELE); LESCUYER P (LESC-I);

LUCIDARME T (LUCI-I)

Inventor: LESCUYER P; LUCIDARME T

Number of Countries: 027 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020181468	A1	20021205	US 2002161363	A	20020603	200320 B
FR 2825561	A1	20021206	FR 20017254	A	20010601	200320
EP 1267530	A1	20021218	EP 2002291318	A	20020530	200320

Priority Applications (No Type Date): FR 20017254 A 20010601

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20020181468 A1 16 H04L-012/56

FR 2825561 A1 H04Q-007/28

EP 1267530 A1 F H04L-012/56

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

Abstract (Basic): US 20020181468 A1

NOVELTY - The signaling packets carrying RESV messages of RSVP protocol corresponding to one RSVP session in an **IP** network (12) are detected. Another RSVP session is associated with a tunnel identity corresponding to encapsulation of data packets during transmission between a gateway **router** and a **switching** node. **Another** set of signaling packets are transmitted for establishing/updating parameters

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of the second RSVP session.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Gateway router;
- (2) Switching node of cellular radio communication network; and
- (3) Cellular radio communication network controller.

USE - For transmitting data packets in cellular radio communication system e.g. Universal Mobile Telecommunication System (UMPS), General Packet Radio Service System (GPRS), through **internet protocol** network.

ADVANTAGE - Data transmission time is effectively reduced and reliability of transmission is enhanced.

DESCRIPTION OF DRAWING(S) - The figure shows the radio communication system architecture.

IP network (12)

pp; 16 DwgNo 1/7

Title Terms: DATA; PACKET; TRANSMISSION; METHOD; CELLULAR; RADIO; COMMUNICATE; SYSTEM; UPDATE; PARAMETER; RESPECTIVE; RESOURCE; RESERVE; PROTOCOL; SESSION; BASED; DETECT; PACKET; CARRY; MESSAGE

Derwent Class: W01

International Patent Class (Main): H04L-012/56; H04Q-007/28

International Patent Class (Additional): H04L-001/20; H04Q-007/22

File Segment: EPI

14/5/4 (Item 3 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014872314 **Image available**

WPI Acc No: 2002-693020/200275

XRPX Acc No: N02-546669

Universal mobile telephone system has multi-protocol label switching edge node located in gateway general packet support node

Patent Assignee: LUCENT TECHNOLOGIES INC (LUCE); CHEN X X (CHEN-I)

Inventor: CHEN X; CHEN X X

Number of Countries: 027 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1239636	A1	20020911	EP 2001302129	A	20010308	200275 B
US 20020126636	A1	20020912	US 200291873	A	20020306	200275

Priority Applications (No Type Date): EP 2001302129 A 20010308

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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EP 1239636	A1	E	21 H04L-012/56	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

US 20020126636	A1	H04Q-007/00
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Abstract (Basic): EP 1239636 A1

NOVELTY - The system has a core network including gateway general packet support node (GGSN) (54) including a multi-protocol label switching edge node and radio network controllers (56) associated with the support node. The nodes (60) and the controllers are operated using user data protocol/ **internet protocol**.

USE - Universal mobile telephone system.

ADVANTAGE - Improves quality of service by making use of quality of service **routing** and explicit **routing** of multi-protocol label **switching**. Provides flexibility in selecting **different network** protocol and data link. Provides effective flow control, congestion control among different network elements by proper load balancing and effective traffic engineering.

DESCRIPTION OF DRAWING(S) - The figure shows the multi-protocol label switching (MPLS) edge nodes located in radio network controller.

Gateway general packet support node (54)

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Radio network controller (56)

Nodes (60)

pp; 21 DwgNo 5/11

Title Terms: UNIVERSAL; MOBILE; TELEPHONE; SYSTEM; MULTI; PROTOCOL; LABEL;
SWITCH; EDGE; NODE; LOCATE; GATEWAY; GENERAL; PACKET; SUPPORT; NODE

Derwent Class: W01; W02

International Patent Class (Main): H04L-012/56; H04Q-007/00

File Segment: EPI

14/5/5 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014717356 **Image available**

WPI Acc No: 2002-538060/200257

XRPX Acc No: N02-426090

**Data communication apparatus based on plural traffic classes in general
packet radio service network that queues and forwards packets based on
different service per-hop behavior**

Patent Assignee: CHASKAR H M (CHAS-I); NOKIA INC (OYNO)

Inventor: CHASKAR H M

Number of Countries: 100 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200254795	A2	20020711	WO 2001US48662	A	20011219	200257 B
US 20020122432	A1	20020905	US 2000751014	A	20001228	200260

Priority Applications (No Type Date): US 2000751014 A 20001228

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200254795 A2 E 25 H04Q-007/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA
ZM ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

US 20020122432 A1 H04J-003/16

Abstract (Basic): WO 200254795 A2

NOVELTY - Multiple-protocol label switching layers (302) are added to the nodes and a differential services layer (304) is added to the intermediate node, while label **switched paths** of required capacities are established for **different** traffic classes and an arriving **Internet protocol packet** is parsed, to **identify** the forwarding equivalence class to which it belongs. The packet is then forwarded to the appropriate label switched path.

DETAILED DESCRIPTION - AN INDEPENDENT CLAIM is included for a data communication method.

USE - Communicating data based on plural traffic classes.

ADVANTAGE - Supporting various quality of service classes across core network.

DESCRIPTION OF DRAWING(S) - The drawing shows protocol stacks

Label switched layers (302)

Differential services layer (304)

pp; 25 DwgNo 3/6

Title Terms: DATA; COMMUNICATE; APPARATUS; BASED; PLURAL; TRAFFIC; CLASS;
GENERAL; PACKET; RADIO; SERVICE; NETWORK; QUEUE; FORWARD; PACKET; BASED;
SERVICE; PER; HOP; BEHAVE

Derwent Class: W01; W02

International Patent Class (Main): H04J-003/16; H04Q-007/00

File Segment: EPI

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14/5/6 (Item 5 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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013539001 **Image available**
WPI Acc No: 2001-023207/200103
XRPX Acc No: N01-018029

Data packet transmission method involves routing dial telephone number associated with another router to establish circuit switched connection across bypass network, while maintaining packet switched network

Patent Assignee: INT DISCOUNT TELECOM CORP (ITDI-N)

Inventor: JONAS H; RAAB E

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6137792	A	20001024	US 96664983	A	19960614	200103 B

Priority Applications (No Type Date): US 96664983 A 19960614

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6137792	A		8 H04L-012/66	

Abstract (Basic): US 6137792 A

NOVELTY - Bypass network data packet designation and address of router (20) and router (21) are **determined**, after transmitting designated **packets** from host (1) to router (20). Router (20) dials telephone number associated with router (21) to establish circuit switched connection across bypass network (30), maintaining packet switched connection and data packet is transmitted between routers (20,21) through network.

DETAILED DESCRIPTION - The routers (20,21) are permanently coupled to the internet (40) via packet switched connection and are selectively coupled to the bypass network via circuit switched connector. The router (21) has an address on the bypass network. The hosts (1,2) are coupled to internet via respective routers (20,21). The host (1) is coupled to the router (20) via local area network. The data packets are designated as requiring transmission via the bypass network and has an **internet protocol** header portion.

USE - For enabling data transmission over bypass circuit switched network between two computers connected to public packet switched network such as internet.

ADVANTAGE - Enables computer users communicating across internet to transmit a portion of communication across a network having a low initial connection cost. Avoids delays inherent in public packet switched network by providing bypass mechanism for secret and critical data traffic which requires minimal transmission delay.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of data transmission system.

Hosts (1,2)
Routers (20,21)
Network (30)
Internet (40)
pp; 8 DwgNo 1/3

Title Terms: DATA; PACKET; TRANSMISSION; METHOD; ROUTE; DIAL; TELEPHONE;
NUMBER; ASSOCIATE; ROUTER; ESTABLISH; CIRCUIT; SWITCH; CONNECT; NETWORK;
MAINTAIN; PACKET; SWITCH; NETWORK

Derwent Class: W01

International Patent Class (Main): H04L-012/66

File Segment: EPI

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18/5/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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009426205 **Image available**
WPI Acc No: 1993-119721/199315
XRPX Acc No: N94-220686

Transmitter capable of controlling active and back-up sections - has two sections each with two packet stages connected together through backboard and fed with same input signal

Patent Assignee: NEC CORP (NIDE)
Inventor: OZAKI H
Number of Countries: 002 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 5056021	A	19930305	JP 91211174	A	19910822	199315 B
US 5345438	A	19940906	US 92934018	A	19920821	199435

Priority Applications (No Type Date): JP 91211174 A 19910822

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 5056021	A	9	H04L-001/22	
US 5345438	A	12	H04J-001/16	

Abstract (Basic): JP 5056021 A

Dwg.1/6

US 5345438 A

The transmitter has two sections each with two package stages connected together through a back board. Both first package stages are connected to input lines given the same input signals. Both sections are selectively operable as active and backup sections and have fault detectors, signal distributors, and switch circuits connected to the signal distributors in the first package stages. Each switch circuit has several outgoing internal lines connected in common to an outgoing internal line of another switch circuit on the back board to be connected to one of the second package stages.

A switch controller monitors only the fault detectors of the first package stages in both sections to detect a fault. On detection of a fault in the active section, the switch circuits are controlled to switch the active and the backup sections from one to another and to recover the fault using the backup section.

USE/ADVANTAGE - Transmitter can control operations. Simple backboard wiring. Uses fewer fault monitoring circuits.

Dwg.2/4

Title Terms: TRANSMIT; CAPABLE; CONTROL; ACTIVE; BACK-UP; SECTION; TWO; SECTION; TWO; PACKET; STAGE; CONNECT; THROUGH; FEED; INPUT; SIGNAL

Derwent Class: W01

International Patent Class (Main): H04J-001/16; H04L-001/22

International Patent Class (Additional): H04L-029/14

File Segment: EPI

August 21, 2003

22/5/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014058818 **Image available**
WPI Acc No: 2001-543031/200161
XRPX Acc No: N01-403730

Overload control method in voice packet communication system, involves routing call using alternate network, when path between source and destination terminals are congested

Patent Assignee: AVAYA TECHNOLOGY CORP (AVAY-N)
Inventor: BAUER E J; MATRAGI W A; SAMADI B
Number of Countries: 028 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1119144	A2	20010725	EP 2001300485	A	20010119	200161 B
CA 2331975	A1	20010720	CA 2331975	A	20010119	200161
JP 2001285361	A	20011012	JP 200113343	A	20010122	200176

Priority Applications (No Type Date): US 2000488182 A 20000120

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1119144	A2	E	12	H04L-012/56	

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI TR

CA 2331975	A1	E		H04L-012/66
JP 2001285361	A		29	H04L-012/56

Abstract (Basic): EP 1119144 A2

NOVELTY - A congestion indicator status indicates whether each path in a primary network is congested based on congestion data from specific device participated in packet telephony communication. A call set up request is received from a source terminal. When path between source and destination terminals are congested, the call is routed using an alternate network.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Congestion management method;
- (b) Congestion manager

USE - In voice packet communication system, especially, for congestion management in multi-branch voice packet network such as **Internet protocol based private branch exchange** switch for packet telephones, computer terminals, multimedia workstations and video phones.

ADVANTAGE - The communication server enables rerouting of the packet telephony calls through the secondary network on **detection of congestion** in the underlying primary packet network thereby preserving the voice quality. Packet phone adaptor discards the records collected from calls whose duration is below minimum value, to ensure reliable congestion information.

DESCRIPTION OF DRAWING(S) - The figure illustrates network environment.

pp; 12 DwgNo 1/7

Title Terms: OVERLOAD; CONTROL; METHOD; VOICE; PACKET; COMMUNICATE; SYSTEM;
ROUTE; CALL; ALTERNATE; NETWORK; PATH; SOURCE; DESTINATION; TERMINAL;
CONGESTED

Derwent Class: W01

International Patent Class (Main): H04L-012/56; H04L-012/66

International Patent Class (Additional): H04L-012/46; H04L-029/06;

H04M-003/00; H04Q-003/58

File Segment: EPI

August 21, 2003

22/5/1 (Item 1 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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014058818 **Image available**
WPI Acc No: 2001-543031/200161
XRPX Acc No: N01-403730

Overload control method in voice packet communication system, involves routing call using alternate network, when path between source and destination terminals are congested

Patent Assignee: AVAYA TECHNOLOGY CORP (AVAY-N)
Inventor: BAUER E J; MATRAGI W A; SAMADI B
Number of Countries: 028 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1119144	A2	20010725	EP 2001300485	A	20010119	200161 B
CA 2331975	A1	20010720	CA 2331975	A	20010119	200161
JP 2001285361	A	20011012	JP 200113343	A	20010122	200176

Priority Applications (No Type Date): US 2000488182 A 20000120

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
EP 1119144	A2	E 12	H04L-012/56	

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI TR

CA 2331975	A1	E	H04L-012/66
JP 2001285361	A	29	H04L-012/56

Abstract (Basic): EP 1119144 A2

NOVELTY - A congestion indicator status indicates whether each path in a primary network is congested based on congestion data from specific device participated in packet telephony communication. A call set up request is received from a source terminal. When path between source and destination terminals are congested, the call is routed using an alternate network.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Congestion management method;
- (b) Congestion manager

USE - In voice packet communication system, especially, for congestion management in multi-branch voice packet network such as **Internet protocol based private branch exchange** switch for packet telephones, computer terminals, multimedia workstations and video phones.

ADVANTAGE - The communication server enables rerouting of the packet telephony calls through the secondary network on **detection of congestion** in the underlying primary packet network thereby preserving the voice quality. Packet phone adaptor discards the records collected from calls whose duration is below minimum value, to ensure reliable congestion information.

DESCRIPTION OF DRAWING(S) - The figure illustrates network environment.

pp; 12 DwgNo 1/7

Title Terms: OVERLOAD; CONTROL; METHOD; VOICE; PACKET; COMMUNICATE; SYSTEM;
ROUTE; CALL; ALTERNATE; NETWORK; PATH; SOURCE; DESTINATION; TERMINAL;
CONGESTED

Derwent Class: W01

International Patent Class (Main): H04L-012/56; H04L-012/66

International Patent Class (Additional): H04L-012/46; H04L-029/06;
H04M-003/00; H04Q-003/58

File Segment: EPI

August 21, 2003

25/5/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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06530098 **Image available**
VOICE CONNECTION SYSTEM AND ITS METHOD

PUB. NO.: 2000-115821 [JP 2000115821 A]
PUBLISHED: April 21, 2000 (20000421)
INVENTOR(s): KOBAYASHI TOSHIHIKO
APPLICANT(s): OKI ELECTRIC IND CO LTD
APPL. NO.: 10-276315 [JP 98276315]
FILED: September 30, 1998 (19980930)
INTL CLASS: H04Q-003/58; G06F-003/16; G06F-013/00; H04L-012/46;
H04L-012/28; H04M-003/00; H04M-011/00

ABSTRACT

PROBLEM TO BE SOLVED: To realize a system and the method, where a terminal with a voice speech function connecting to a LAN line makes a call and a speech to a telephone set or the telephone set makes a call and a speech to the terminal.

SOLUTION: When a call reaches a terminal 14 from a terminal 10, a **private branch exchange** 20 receives dial information of the same contents as those of dial information consisting of an **IP** address of the terminal 10 sent by the terminal 10 and of a telephone number of the terminal 14 from a LAN device 12, and checks whether or not the received **IP** address of the terminal 10 is registered based on a program for a LAN interface section. When it is registered, the **private branch exchange** 20 connects to the terminal 14 based on a program for a **call control** section, transmits a call and reserves a program for **voice** /digital data **converter** control section, when receiving an affirmative acknowledgement from the terminal 10 so as to attain speech between them and transmits the information of the same contents as the information, in response to the acknowledgement to the terminal 10 via the LAN device 12 based on the program for the LAN interface section.

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25/5/2 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014976396 **Image available**
WPI Acc No: 2003-036910/200303
Wireless private branch exchange system using ip network
Patent Assignee: LG ELECTRONICS INC (GLDS)
Inventor: KIM C H

Number of Countries: 001 Number of Patents: 001

Patent Family:-

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2002054446	A	20020708	KR 200083524	A	20001228	200303 B

Priority Applications (No Type Date): KR 200083524 A 20001228

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2002054446	A	1	H04Q-007/24	

Abstract (Basic): KR 2002054446 A

NOVELTY - A wireless **private branch exchange** system using an **IP (Internet Protocol)** network is provided to connect between a main control unit and a base station using an **IP** interface.

DETAILED DESCRIPTION - A main control unit(400) in a wireless **private branch exchange** system consists of a **call control**

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part(501), a TCP/ IP interface part(503), a protocol converter(505), a receiving buffer(507), a transmitting buffer(509), a router(511), a vocoder/decoder(513), a VLR(515), a voice **switch controller** (517), a data **switch controller** (519), an OAM part(521), a database(523), a public network interface part(525), and a data network interface part(527). The **call control** part(501) controls the whole calls of the wireless **private branch exchange** system. The TCP/ IP interface part(503) interfaces the data transmitted and received between the main control unit(400) and base stations. The protocol converter(505) converts the internal control signals and traffic data of the main control unit(400) in a TCP/ IP format. The receiving buffer(507) temporarily stores the data received through the TCP/ IP interface part(503). The transmitting buffer(509) temporarily stores the data to be transmitted to base stations through the TCP/ IP interface part(503). The router(511) classifies the messages transferred through the TCP/ IP interface part(503) and distributes them to the voice **switch controller** (517) and the data **switch controller** (519). The vocoder(513) **converts** received voice data into a PCM signal. The decoder(513) converts a received PCM signal into voice data. The voice **switch controller** (517) switches the voice data transmitted and received through the vocoder/decoder(513) to the public network interface part(525). The data **switch controller** (519) switches the data of the main control unit(400) to the data network interface part(527). The OAM part(521) diagnoses each of the functions of the main control unit(400). The public network interface part(525) executes interfacing with a public network. The data network interface part(527) executes interfacing with a data network.

pp; 1 DwgNo 1/10

Title Terms: WIRELESS; PRIVATE; BRANCH; EXCHANGE; SYSTEM; **IP** ; NETWORK

Derwent Class: W01; W02

International Patent Class (Main): H04Q-007/24

File Segment: EPI

25/5/3 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014152890 **Image available**

WPI Acc No: 2001-637109/200173

Gateway apparatus and call set up method

Patent Assignee: LG ELECTRONICS INC (GLDS)

Inventor: LEE M J; LEE N G

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2001048670	A	20010615	KR 9953453	A	19991129	200173 B
KR 348606	B	20020813	KR 9953453	A	19991129	200311

Priority Applications (No Type Date): KR 9953453 A 19991129

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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KR 2001048670	A	1	H04L-012/66	
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KR 348606	B		H04L-012/66	Previous Publ. patent KR 2001048670
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Abstract (Basic): KR 2001048670 A

NOVELTY - A gateway apparatus and a call set up method are provided to facilitate adaptation and expansion to various **PBX** system and VoIP and save an expense according to the change of a system by constructing a dependent portion and an independent portion to a characteristic of the **PBX** system and the VoIP in which a gateway is installed.

DETAILED DESCRIPTION - An interface unit(10) is physically and functionally connected to a PSTN and an **IP** network line and transmits a mutually converted signal to each line. A **call controlling** unit(20) converts a **call control** signal generated from a

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heterogeneous network so as to be suitable to the other network and transmits it, manages call processing resources such as a port or a memory, and controls a media transmission and reception channel according to the call set-up. A media data processing unit(30) performs **converting** or compressing **voice** data so as to be suitable to the other network. A system utility unit(40) manages a system resource such as the memory or a timer. The Interface unit(10) includes a voice data communication interface(10a) for **converting voice** data in conformity to a voice data transmission and reception protocol used in a **PBX** system and transceiving data through the voice data transmission and reception line, a **PBX call control** signal interface(10b) for converting a **call control** signal used in the **PBX** system and transceiving it, an encoding/decoding interface(10c) for encoding/decoding the voice data to a data format suitable to the other network, and an **IP** network interface(10d) for generating and managing a socket for communicating with an **IP** network and transceiving the data through the socket.

pp; 1 DwgNo 1/10

Title Terms: GATEWAY; APPARATUS; CALL; SET; UP; METHOD

Derwent Class: W01

International Patent Class (Main): H04L-012/66

File Segment: EPI

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26/5/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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07598928 **Image available**
IP TERMINAL CONTROL METHOD

PUB. NO.: 2003-092774 [JP 2003092774 A]
PUBLISHED: March 28, 2003 (20030328)
INVENTOR(s): TAKAYAMA AKIHIRO
KAWABATA SATORU
APPLICANT(s): FUJITSU I-NETWORK SYSTEMS LTD
APPL. NO.: 2001-283138 [JP 20011283138]
FILED: September 18, 2001 (20010918)
INTL CLASS: H04Q-003/58; H04M-001/00; H04M-011/00

ABSTRACT

PROBLEM TO BE SOLVED: To provide a method for allowing an IP terminal to easily realize a multi-function terminal service having been provided by a conventional PBX .

SOLUTION: The PBX edits call order information realizing a prescribed service according to an inter-PBX and multi-function terminal interface format, includes the information to an H. 225.0 call control signal of the H. 323 protocol, and transmits the resulting control signal to the IP terminal and the IP terminal in compliance with the interface format carries out the service.

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26/5/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
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07485598 **Image available**
VIRTUAL PRIVATE BRANCH EXCHANGE AND ITS CALL CONTROL METHOD

PUB. NO.: 2002-354116 [JP 2002354116 A]
PUBLISHED: December 06, 2002 (20021206)
INVENTOR(s): GOTODA KUNIHIKO
APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD
APPL. NO.: 2001-162055 [JP 20011162055]
FILED: May 30, 2001 (20010530)
INTL CLASS: H04M-003/00; H04L-012/66; H04Q-003/58

ABSTRACT

PROBLEM TO BE SOLVED: To provide a virtual private branch exchange excellent in economy, excellent in user-friendliness with high convenience, which utilizes a telephone line network and communication devices or the like provided by a communication enterprise and has wide range virtual extensions including business and general subscribers.

SOLUTION: The virtual private branch exchange 1 is built up with an IP - VPN(Virtual Private Network) 2, WAN devices 3, 7, LAN devices 4, 8, an IP phone 5, a software UP phone 6, a call controller (call control server) 9, a VoIP gateway 10, a carrier exchanger 11, a telephone line network 12, and a general subscriber phone 13, which are provided by the communication enterprise (carrier), handles the IP phone 5, the software IP phone 6 and the general subscriber phone 13 for extension phones and provides an extension speech and various extension services.

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26/5/3 (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO
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07232749 **Image available**
IP TELEPHONE CONTROL SYSTEM

PUB. NO.: 2002-101197 [JP 2002101197 A]
PUBLISHED: April 05, 2002 (20020405)
INVENTOR(s): TOMOBE MASAHARU
APPLICANT(s): NEC ENG LTD
APPL. NO.: 2000-286259 [JP 2000286259]
FILED: September 21, 2000 (20000921)
INTL CLASS: H04M-003/00; H04L-012/56; H04L-029/06; H04Q-003/58

ABSTRACT

PROBLEM TO BE SOLVED: To achieve response similar to a conventional line switching PBX by simplifying procedures such as terminal registration, call control, function exchange, logical channel setting, and sound-voice transmission while the recovery at the missing of data is improved, and to realize an application of an existing PBX with no difficulty by incorporating an intrinsic function of a conventional digital telephone into a protocol in advance.

SOLUTION: A system is provided where an IP telephone 3 is connected to a PBX system 1 which uses a line switching method. The IP telephone 3 is controlled where a state information about a telephone requiring a stage change is transmitted to the IP telephone 3 from the PBX 1 by UDP/IP, and re-transmission is carried out until transmission of the state information is confirmed.

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26/5/4 (Item 4 from file: 347)
DIALOG(R)File 347:JAPIO
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06763885 **Image available**
INTERNET PROTOCOL CONFERENCE TELEPHONE SYSTEM

PUB. NO.: 2000-349756 [JP 2000349756 A]
PUBLISHED: December 15, 2000 (20001215)
INVENTOR(s): ISAKA MASAZUMI
APPLICANT(s): OKI ELECTRIC IND CO LTD
APPL. NO.: 11-162065 [JP 99162065]
FILED: June 09, 1999 (19990609)
INTL CLASS: H04L-012/18; H04L-012/46; H04L-012/28; H04L-012/56;
H04L-029/06; H04M-003/56

ABSTRACT

PROBLEM TO BE SOLVED: To provide an IP conference telephone system suitable to an IP - PBX system.

SOLUTION: A call control unit 28 connected to an IP network 10 sets a conference connection to telephone sets Tel1, Tel2 or Tel3 contained in the IP network 10. The telephone sets Tel1, Tel2 and Tel3 in which the conference connection is set transmit a packet of a sound signal to the network 10 by addressing it to a conference trunk 24. Receiving the packet from the network 10, an IP bridge 22 connected to the IP network 10 multiplies the sound signal to a channel corresponding to telephone sets Tel1, Tel2 and Tel3 of an outgoing highway 18B and transmits it to the conference trunk 24. Receiving the sound signal from the telephone sets Tel1, Tel2 and Tel3, the conference trunk 24 adds and subtracts this and returns it to a highway 18F. In the other embodiment, a multicast router 70

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is disposed instead of the conference trunk 24 and the IP network 10a corresponding to the multicast performs multicast to the telephone sets Tel1, Tel2 and Tel3 which are conference registered. Thus, conference speech is performed among the telephone sets Tel1, Tel2 and Tel3.

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26/5/5 (Item 5 from file: 347)

DIALOG(R)File 347:JAPIO

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03842145 **Image available**

PBX SYSTEM

PUB. NO.: 04-207245 [JP 4207245 A]

PUBLISHED: July 29, 1992 (19920729)

INVENTOR(s): ITO MASANORI

IWASA MASAHIRO

AII HIROYUKI

APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD [000582] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 02-333126 [JP 90333126]

FILED: November 28, 1990 (19901128)

INTL CLASS: [5] H04M-003/00

JAPIO CLASS: 44.4 (COMMUNICATION -- Telephone); 44.7 (COMMUNICATION -- Facsimile)

JOURNAL: Section: E, Section No. 1290, Vol. 16, No. 542, Pg. 144, November 12, 1992 (19921112)

ABSTRACT

PURPOSE: To perform the incoming report service even with a means other than telephone by analyzing and discriminating additional information for incoming simultaneously with incoming to a communication device by the service control part of a service control computer and reporting communication to a user computer.

CONSTITUTION: The sub-address of a user and the inter-network protocol (IP) address of a user computer 31 to which incoming should be reported are preliminarily registered in a service control computer 32. At the time of incoming from an integrated services digital network ISDN 40 to a facsimile equipment 30, a trunk circuit 11 generates prescribed incoming information. Next, **switching control** exchange 13 reads in incoming information through a local bus 16 and calculates a port number 2 of the equipment 30 in accordance with the incoming number. Then, a time division switch 10 is controlled to connect ports 1 and 2. When determining the execution of incoming report to the user in accordance with incoming information, a service control part 32a of the computer 32 uses the IP address to report the incoming to the computer 31 by an electronic mail.

26/5/6 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015489539 **Image available**

WPI Acc No: 2003-551686/200352

Electronic switching system has a signal processor that receives/transmits a DTMF signal and informs the main controller of the DTMF signal and a hub supplies a TCP/ IP interface between the main controller and the Internet

Patent Assignee: YEON WOO ELECTRONICS & TELECOM CO LTD (YEON-N)

Inventor: JUNG S J

Number of Countries: 001 Number of Patents: 001

Patent Family:

August 21, 2003

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2003026556	A	20030403	KR 200159600	A	20010926	200352 B

Priority Applications (No Type Date): KR 200159600 A 20010926

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2003026556	A		1 H04Q-001/30	

Abstract (Basic): KR 2003026556 A

NOVELTY - A full electronic switching system is provided to supply a **PBX** service to various subscribers including digital subscribers, analog subscribers, ISDN subscribers, and a trunk, thereby improving the **PBX** service.

DETAILED DESCRIPTION - A ring generator(10) supplies a current for generating a ring to an end subscriber. A digital subscriber interface(12) interfaces a digital multifunction telephone. An analog subscriber interface(14) interfaces analog subscribers. An analog trunk(16) interfaces analog subscribers of other station. An ISDN subscriber interface(18) interfaces ISDN subscribers. A digital trunk(20) interfaces digital subscribers of other station. An Internet call processor(22) processes an Internet call on the Internet. A digital line concentrator(26) concentrates each digital line to connect with a switch(28). The switch(28) switches the digital line concentrator(26) with a signal processor(34). A main controller(30) performs call processing, number translation, and **switch controlling**. A sub controller(32) controls the ring and an inter-office signal. The signal processor(34) receives or transmits a DTMF signal, and informs the main controller(30) of the DTMF signal. A hub(36) supplies a TCP/ **IP** interface between the main controller(30) and the Internet. An operator terminal(38) supplies a terminal function.

pp; 1 DwgNo 1/10

Title Terms: ELECTRONIC; SWITCH; SYSTEM; SIGNAL; PROCESSOR; RECEIVE; TRANSMIT; DTMF; SIGNAL; INFORMATION; MAIN; CONTROL; DTMF; SIGNAL; HUB; SUPPLY; **IP** ; INTERFACE; MAIN; CONTROL

Derwent Class: W01

International Patent Class (Main): H04Q-001/30

File Segment: EPI

26/5/7 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015489155 **Image available**

WPI Acc No: 2003-551302/200352

XRPX Acc No: N03-438613

Internet Protocol (**IP**) telephone apparatus for telephone system, has call control circuit that obtains **IP** address corresponding to received telephone number by referring to table, and performs call control based on **IP** address

Patent Assignee: HITACHI TELECOM TECHNOLOGY CO (HISY)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2003204387	A	20030718	JP 2002848	A	20020107	200352 B

Priority Applications (No Type Date): JP 2002848 A 20020107

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2003204387	A		10 H04M-001/56	

Abstract (Basic): JP 2003204387 A

NOVELTY - A pushbutton group (14) and a main control circuit (20) register the telephone number and **IP** address of a transmission place to a number-address table (27). If the telephone number of a

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transmission place is received, a **call control** circuit (21) obtains the **IP** address corresponding to the received telephone number by referring to the table, and performs a **call control** based on the **IP** address.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a telephone system.

USE - For telephone system e.g. private-telephone system.

ADVANTAGE - Enables talking over the telephone even when there is no **PBX**. Telephone call test can be performed even when connection and various setups of **PBX** are not completed.

DESCRIPTION OF DRAWING(S) - The figure is a circuit block diagram of the **IP** telephone apparatus.

Pushbutton group (14)

Main control circuit (20)

Call control circuit (21)

Number-address table (27)

pp; 10 DwgNo 2/8

Title Terms: PROTOCOL; **IP**; TELEPHONE; APPARATUS; TELEPHONE; SYSTEM; CALL; CONTROL; CIRCUIT; OBTAIN; **IP**; ADDRESS; CORRESPOND; RECEIVE; TELEPHONE; NUMBER; REFER; TABLE; PERFORMANCE; CALL; CONTROL; BASED; **IP**; ADDRESS

Derwent Class: W01

International Patent Class (Main): H04M-001/56

International Patent Class (Additional): H04M-003/00; H04M-011/00

File Segment: EPI

26/5/8 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015485629 **Image available**

WPI Acc No: 2003-547776/200352

XRPX Acc No: N03-435103

Call control method for private-branch switching system, involves using broadcast based on simultaneous call instructions when LAN telephone terminal receives instruction packet calls from another LAN telephone terminal on same network

Patent Assignee: NIPPON DENKI ENG KK (NIDE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2003143630	A	20030516	JP 2001339588	A	20011105	200352 B

Priority Applications (No Type Date): JP 2001339588 A 20011105

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2003143630	A	11	H04Q-003/58	

Abstract (Basic): JP 2003143630 A

NOVELTY - The **IP** (**Internet protocol**) address of a LAN telephone terminal is searched from an address memory (9). Simultaneous call instruction packet is then sent to a LAN circuit by making the searched **IP** address and an address. A broadcast based on simultaneous call instructions is then used when the LAN telephone terminal receives instruction packet calls from another LAN telephone terminal on the same sub-network.

DETAILED DESCRIPTION - A **private branch exchange** (3) searches the LAN telephone terminal corresponding to special-number dial from a special-number table, if the special-number dial is received. The **private branch exchange** includes the sub-network, the special-number table which designates the arbitrary LAN telephone terminals (11A-11C) with a special-number dial, and the address memory that stores the **IP** address of each LAN telephone terminal.

USE - For private-branch switching system which accommodates LAN (local area network) telephone terminal.

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ADVANTAGE - Enables LAN telephone terminals to simultaneously receive calls all at once by simple processing.

DESCRIPTION OF DRAWING(S) - The figure shows the system block diagram showing simultaneous **call control** method. (Drawing includes non-English language text).

Private branch exchange (3)

Address memory (9)

LAN telephone terminals (11A-11C)

pp; 11 DwgNo 4/16

Title Terms: CALL; CONTROL; METHOD; PRIVATE; BRANCH; SWITCH; SYSTEM; BROADCAST; BASED; SIMULTANEOUS; CALL; INSTRUCTION; LAN; TELEPHONE; TERMINAL; RECEIVE; INSTRUCTION; PACKET; CALL; LAN; TELEPHONE; TERMINAL; NETWORK

Derwent Class: W01

International Patent Class (Main): H04Q-003/58

International Patent Class (Additional): H04L-012/46; H04M-003/42

File Segment: EPI

26/5/9 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015460198 **Image available**

WPI Acc No: 2003-522340/200349

XRFX Acc No: N03-414433

Internet protocol telephony exchange system provides variety of tone and user interface information to internet protocol terminals for controlling terminals by analyzing their phone and port numbers

Patent Assignee: SAMSUNG ELECTRONICS CO LTD (SMSU); AHN T (AHNT-I); HONG S (HONG-I); KIM H (KIMH-I); YANG D (YANG-I)

Inventor: AHN T; HONG S; KIM H; YANG D; AHN T H; HONG S C; KIM H H; YANG D Y

Number of Countries: 004 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030072330	A1	20030417	US 2002270070	A	20021015	200349 B
GB 2381995	A	20030514	GB 200223703	A	20021014	200349
CN 1412983	A	20030423	CN 2002145809	A	20021014	200350
KR 2003031442	A	20030421	KR 200262434	A	20021014	200353

Priority Applications (No Type Date): KR 200163192 A 20011013

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20030072330 A1 18 H04J-001/02

GB 2381995 A H04M-007/00

CN 1412983 A H04L-012/46

KR 2003031442 A H04L-012/66

Abstract (Basic): US 20030072330 A1

NOVELTY - **Internet protocol (IP) private branch exchange** (14) has control module (32) for establishing call connection service with legacy terminals (16) or **IP** terminals (18). Control module provides **IP** terminals with variety of tone and user interface information for controlling **IP** terminals by analyzing their phone and port numbers such that **IP** terminals generate call signals in the same number system as legacy terminals.

DETAILED DESCRIPTION - An **INDEPENDENT CLAIM** is also included for **call control** procedure controlling method.

USE - **Internet protocol** telephony exchange system connected to **internet protocol** network and public switched telephone network, for performing **call control** services of legacy and **IP** terminals.

ADVANTAGE - Since the **IP** terminal and legacy terminals are operated as terminals in a single exchange system, a call path between the **IP** and legacy terminals can be controlled as a general extension

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call. Since the same number system is assigned to **IP** and legacy terminals, the **IP** and legacy terminals can be integrated in a single system to provide an integrated call service.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the **internet protocol** telephony exchange system.

internet protocol private branch exchange (14)

legacy terminals (16)

IP terminals (18)

control module (32)

pp; 18 DwgNo 1/6

Title Terms: PROTOCOL; TELEPHONE; EXCHANGE; SYSTEM; VARIETY; TONE; USER; INTERFACE; INFORMATION; PROTOCOL; TERMINAL; CONTROL; TERMINAL; TELEPHONE; PORT; NUMBER

Derwent Class: W01

International Patent Class (Main): H04J-001/02; H04L-012/46; H04L-012/66; H04M-007/00

International Patent Class (Additional): H04L-029/06; H04M-003/00

File Segment: EPI

26/5/10 (Item 5 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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015322996 **Image available**

WPI Acc No: 2003-383931/200337

XRFX Acc No: N03-306687

Providing mobile communication services of private e.g. GSM-on-the-Net system to mobile station roaming in PLMN by forwarding call requests from mobile to private system

Patent Assignee: TELEFONAKTIEBOLAGET ERICSSON L M (TELF); MUKHERJEE S (MUKH-I)

Inventor: MUKHERJEE S

Number of Countries: 031 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1301056	A1	20030409	EP 200221070	A	20020921	200337 B
US 20030069030	A1	20030410	US 2001971378	A	20011004	200337

Priority Applications (No Type Date): US 2001971378 A 20011004

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 1301056 A1 E 14 H04Q-007/38

Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB

GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

US 20030069030 A1 H04Q-007/20

Abstract (Basic): EP 1301056 A1

NOVELTY - A mobile station is subscribed to two telecommunications networks i.e. a public mobile network (PLMN) and a private enterprise network and has access to several subscriber features from the private enterprise network. The mobile station receives a request for **call control** instruction within the private enterprise network from the PLMN. The PLMN is currently providing radio access and handling a request for outgoing call connection from the mobile towards a particular called party.

DETAILED DESCRIPTION - The PLMN is instructed to forward the received request for outgoing call connection to the private enterprise network for processing. Several subscriber features associated with the private enterprise network are then provided to the mobile when it is traveling within a geographic area covered by the PLMN. An INDEPENDENT CLAIM is included for a private telecommunications system.

USE - For private enterprise network e.g. GSM-on-the-Net system offering converged **PBX** and **IP** communications within a company.

ADVANTAGE - Enables features and services available within private

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enterprise network to be utilized by the mobile subscriber currently roaming within public mobile network.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram of the system used to implement the method.

pp; 14 DwgNo 2/4

Title Terms: MOBILE; COMMUNICATE; SERVICE; PRIVATE; NET; SYSTEM; MOBILE; STATION; CALL; REQUEST; MOBILE; PRIVATE; SYSTEM

Derwent Class: W01

International Patent Class (Main): H04Q-007/20; H04Q-007/38

File Segment: EPI

26/5/11 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015290299 **Image available**

WPI Acc No: 2003-351232/200333

Remote private branch exchange for ip phone service and group customer call service method using the same

Patent Assignee: KT CORP (KTKT-N)

Inventor: BAE H S; HA J S; JIN Y M; KO G W; LEE H J; MUN J H; YOON H J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2003003409	A	20030110	KR 200139148	A	20010630	200333 B

Priority Applications (No Type Date): KR 200139148 A 20010630

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2003003409	A		1 H04L-012/66	

Abstract (Basic): KR 2003003409 A

NOVELTY - A remote **private branch exchange** for an **IP (Internet Protocol)** phone service and a group customer call service method using the same are provided to configure a call agent and a centrex to be separated logically, so as to implement a group customer service without an additional function in subscriber terminals.

DETAILED DESCRIPTION - A call agent(120) includes authentication(121), **call control** /routing(122) and an H.323 protocol stack(123). The authentication(121) authenticates and permits a subject requesting a call. The **call control** (122) performs call setup using the H.323 protocol stack(123). The routing(122) analyzes information on the call to decide whether the call is for group customers. If so, the routing(122) requests call setup to an **IP -centrex(130)** to connect the call with an incoming party, and if the call is an external call not for the group customer, the routing(122) performs call setup directly to the incoming party. When the call setup is requested to the **IP -centrex(130)**, a centralized call processing module(131) confirms corresponding group customers by referring to group customer database(132), and performs call setup using an H.323 protocol stack(133).

pp; 1 DwgNo 1/10

Title Terms: REMOTE; PRIVATE; BRANCH; EXCHANGE; **IP** ; TELEPHONE; SERVICE; GROUP; CUSTOMER; CALL; SERVICE; METHOD

Derwent Class: T01; W01

International Patent Class (Main): H04L-012/66

File Segment: EPI

26/5/12 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015246613 **Image available**

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WPI Acc No: 2003-307539/200330

XRPX Acc No: N03-245207

Call control method for providing multi-line service, involves editing call request data based on private branch exchange terminal interface format and sending edited data to corresponding internet protocol terminal

Patent Assignee: HASEGAWA DENKI SEISAKUSHO KK (HASE-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2003092774	A	20030328	JP 2001283138	A	20010918	200330 B

Priority Applications (No Type Date): JP 2001283138 A 20010918

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2003092774	A	4	H04Q-003/58	

Abstract (Basic): JP 2003092774 A

NOVELTY - The call request information included in a H.255.0 call control signal of H.323 protocol is edited by private branch exchange (PBX) (100) according to PBX multifunction terminal interface format. The edited information is transmitted from PBX to corresponding internet protocol (IP) terminal.

USE - For controlling call connection between IP terminals and private branch exchange for providing multi-line service of multifunctional telephone.

ADVANTAGE - Multifunctional terminal service is implemented easily.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of the PBX . (Drawing includes non-English language text).

PBX (100)

pp; 4 DwgNo 1/2

Title Terms: CALL; CONTROL; METHOD; MULTI; LINE; SERVICE; EDIT; CALL; REQUEST; DATA; BASED; PRIVATE; BRANCH; EXCHANGE; TERMINAL; INTERFACE; FORMAT; SEND; EDIT; DATA; CORRESPOND; PROTOCOL; TERMINAL

Derwent Class: W01

International Patent Class (Main): H04Q-003/58

International Patent Class (Additional): H04M-001/00; H04M-011/00

File Segment: EPI

26/5/13 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015186351 **Image available**

WPI Acc No: 2003-246884/200324

XRPX Acc No: N03-196165

Label switching control information distributing method for interconnected label switches, involves exchanging opaque link state advertisement packet in between group of interconnected switches

Patent Assignee: NORTEL NETWORKS LTD (NELE)

Inventor: DORASWAMY N; JAGANNATH S; LUCIANI J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6483833	B1	20021119	US 98100590	A	19980619	200324 B

Priority Applications (No Type Date): US 98100590 A 19980619

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6483833	B1	7	H04L-012/56	

Abstract (Basic): US 6483833 B1

NOVELTY - Open shortest path first (OSPF) opaque link state

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advertisement (LSA) packet is exchanged in between a group of interconnected opaque LSA capable switches to maintain label forwarding tables and routing tables of the interconnected label switches to forward data packets according to the label swapping forwarding paradigm.

USE - For interconnected label switches e.g. **private branch exchanges**, central office switching systems, for interconnecting trunks between switching centers, broadband core switches at center of service provider's network and data packet switching systems for communication between nodes e.g. enduser workstations, servers and network devices in TCP/ IP -based internet.

ADVANTAGE - Enables to distribute label binding information to a group of interconnected label switches transparently and efficiently.

DESCRIPTION OF DRAWING(S) - The figure shows the opaque link state advertisement packet format.

pp; 7 DwgNo 5/5

Title Terms: LABEL; SWITCH; CONTROL; INFORMATION; DISTRIBUTE; METHOD; INTERCONNECT; LABEL; SWITCH; EXCHANGE; OPAQUE; LINK; STATE; ADVERTISE; PACKET; GROUP; INTERCONNECT; SWITCH

Derwent Class: W01

International Patent Class (Main): H04L-012/56

File Segment: EPI

26/5/14 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015084460 **Image available**

WPI Acc No: 2003-144978/200314.

Integrated internet call center system and method for operating the same

Patent Assignee: GREAT HUMAN SOFTWARE CO LTD (GREA-N)

Inventor: KIM H H; LEE J G

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2002062442	A	20020726	KR 20013440	A	20010120	200314 B

Priority Applications (No Type Date): KR 20013440 A 20010120

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2002062442	A	1	H04L-012/12	

Abstract (Basic): KR 2002062442 A

NOVELTY - An integrated Internet call center system and a method for operating the same are provided to construct an Internet call center by utilizing an existing CTI equipment, and enable one attendant to simultaneously process a general PSTN call and an Internet telephone call.

DETAILED DESCRIPTION - A client computer requests data necessary for call set-up to a **call control** server(S1). The **call control** server requests an available attendant computer, **IP** data of a gateway, and an extension number of an attendant telephone to a gatekeeper(S2). The data from the gatekeeper is replied to the client computer(S3). The client computer requests call set-up to the gateway by using the **IP** of the gateway including the extension number(S4). The gateway requests call set-up to **PBX** equipment, thereby executing extension connection(S5). The telephone rings for requesting connection to the attendant(S6). The attendant picks up the receiver and the client computer recognizes the response of the attendant(S7). The client computer requests synchronized browsing to the attendant computer(S8). The attendant computer responses the synchronized browsing and leads the synchronized browsing by pushing a URL of the Web page which the attendant is currently browsing, to the client computer(S9,S10).

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pp; 1 DwgNo 1/10
Title Terms: INTEGRATE; CALL; SYSTEM; METHOD; OPERATE
Derwent Class: W01
International Patent Class (Main): H04L-012/12
File Segment: EPI

26/5/15 (Item 10 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014708087 **Image available**
WPI Acc No: 2002-528791/200256
XRPX Acc No: N02-418747

Gateway for LAN connected digital telephones, has translator to translate
non- IP digital PBX telephone call control signal into IP
telephone call control signals and vice-versa to deliver to IP
ports and handset ports

Patent Assignee: CITEL TECHNOLOGIES LTD (CITE-N)

Inventor: ROBINSON M J

Number of Countries: 098 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200252827	A2	20020704	WO 2001US50850	A	20011226	200256 B

Priority Applications (No Type Date): US 2000258464 P 20001227

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200252827 A2 E 25 H04M-007/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

Abstract (Basic): WO 200252827 A2

NOVELTY - A protocol translator translates non- IP digital PBX
telephone call control signals received at a port connected to
telephone handset into IP telephone call control signals and
delivers to an IP telephone call controller (12) using the IP
port. The translator translates IP telephone call control signals
received at the IP port from the controller into non- IP digital
PBX telephone call control signals and delivers to the handset
ports.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the
following:

- (1) System for coupling non- IP digital PBX telephone handsets
to an IP telephone call controller ;
- (2) Method for programming gateway to work with non- IP digital
PBX telephone handsets; and
- (3) Call control function implementation method.

USE - For LAN connected non- IP digital PBX telephones such as
mobile phones.

ADVANTAGE - Each digital handset appears as an end point to the IP
telephony network rather than the gateway itself appearing as the
endpoint. Thus each digital handset is a discrete entity from the IP
call controller perspective. The gateway can be programmed to handle
various features and functions of the non- IP digital handsets rather
than simply passing all signals from the handsets on to the IP call
controller for handling.

DESCRIPTION OF DRAWING(S) - The figure shows the system
configuration for use with a proprietary IP call controller .

IP telephone call controller (12)

pp; 25 DwgNo 1A/4

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Title Terms: GATEWAY; LAN; CONNECT; DIGITAL; TELEPHONE; TRANSLATION;
TRANSLATION; NON; IP ; DIGITAL; PBX ; TELEPHONE; CALL; CONTROL; SIGNAL;
IP ; TELEPHONE; CALL; CONTROL; SIGNAL; VICE; DELIVER; IP ; PORT;
HANDSET; PORT
Derwent Class: T01; W01
International Patent Class (Main): H04M-007/00
International Patent Class (Additional): H04L-029/06
File Segment: EPI

26/5/16 (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014659407 **Image available**
WPI Acc No: 2002-480111/200251
XRPX Acc No: N02-379157

A telephone exchange system for processing internet telephony calls includes a voice button server padding an internet protocol address, pre-pending an access code, and forwarding calls via a computer telephony interface link

Patent Assignee: NORTEL NETWORKS LTD (NELE); NORTEL NETWORKS UK LTD (NELE)

Inventor: ELBERSE A; QUINN B; SMYTH J
Number of Countries: 097 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200245399	A2	20020606	WO 2001GB5191	A	20011126	200251 B
AU 200223887	A	20020611	AU 200223887	A	20011126	200264

Priority Applications (No Type Date): US 2000724420 A 20001128

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200245399	A2	E	23	H04M-007/00	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

AU 200223887	A			H04M-007/00	Based on patent WO 200245399
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Abstract (Basic): WO 200245399 A2

NOVELTY - When a client (10) clicks on a Voice Button (VB) icon on a business Web page (12), a VB server (18') pads an **Internet Protocol (IP)** address into a twelve digit number, and pre-pends an access code. Requests for such calls are forwarded to a Call Server of a **Private Branch Exchange (PBX)** (30) via a Computer Telephony Interface (CTI) link. A dialling plan (36') identifies the dialled number as a special case for the **Internet Protocol** Telephony Gateway (ITG) line cards (44).

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) a **PBX** including ITG cards, and exchange controlling software including a component to parse numbers to be called;
- (b) a method of parsing a number in a **PBX** ;
- (c) an application server including a transmitter using a CTI to a **PBX** ;
- (d) a computer program implementing a method of processing internet telephone calls for an application server
- (e) and an ITG.

USE - The telephone exchange system is used for processing internet telephony calls.

ADVANTAGE - An **IP** address is represented as a normal number with digits in the range 0-9 and does not require special characters, so

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that the VB server requires only a CTI link to the Call Server. A complete set of functionality in adjunct servers is eliminated. Product cost savings are large and a Call Server is able to focus on **call control** while an adjunct server can focus on the value added service. DESCRIPTION OF DRAWING(S) - The figure shows a schematic diagram of a telephony system.

Web client (10)

Business Web page (12)

Voice button (VB) server (18')

Private Branch Exchange (PBX) (30)

Dialling plan (36')

Internet Protocol Telephony Gateway (ITG) cards (44)

pp; 23 DwgNo 2/4

Title Terms: TELEPHONE; EXCHANGE; SYSTEM; PROCESS; TELEPHONE; CALL; VOICE; BUTTON; SERVE; PAD; PROTOCOL; ADDRESS; PRE; PENDING; ACCESS; CODE; FORWARDING; CALL; COMPUTER; TELEPHONE; INTERFACE; LINK

Derwent Class: T01; W01

International Patent Class (Main): H04M-007/00

File Segment: EPI

26/5/17 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014516442 **Image available**

WPI Acc No: 2002-337145/200237

Extension call method in private mobile communication service system

Patent Assignee: SAMSUNG ELECTRONICS CO LTD (SMSU)

Inventor: HAN C H

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2001106974	A	20011207	KR 200028096	A	20000524	200237 B
KR 342513	B	20020628	KR 200028096	A	20000524	200282

Priority Applications (No Type Date): KR 200028096 A 20000524

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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KR 2001106974	A		1	H04Q-007/26	
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KR 342513	B			H04Q-007/26	Previous Publ. patent KR 2001106974
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Abstract (Basic): KR 2001106974 A

NOVELTY - An extension call method in a private mobile communication service system is provided so that a subscriber registered in a private mobile communication service system can execute a call with another registered wired/wireless subscriber, without the necessity of paying an additional or special charge.

DETAILED DESCRIPTION - As an SLI (Subscriber Line Interface) (43) and a DLI (Digital Line Interface) (44) in a **private branch exchange** (28) are connected respectively to a generic telephone (18) and a keyphone terminal (45), the **private branch exchange** (28) executes a voice call with the generic telephone (18) or the keyphone terminal (45) according to the switching of a time switch (41) by the control of a control part (42). The control part (45) replaces the functions of an MSC (Mobile Switching Center) in a PLMN (Public Land Mobile Network) by executing switching according to a **switching control** instruction when a call is generated. Accordingly, the initiative of a call is carried out at each wire/wireless IP terminal. The switching of a call for a wired/wireless composite function is raised at the time switch (41) of the private exchange (28). The control of the wired/wireless composite function is performed by a call manager (50). The time switch (41) is connected to a TIEA (Transcoder and Selector Bank) Interface E1 Assembly (38) in a private BSC (Base Station Controller) (26) through an E1 connection part (40).

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pp; 1 DwgNo 1/10
Title Terms: EXTEND; CALL; METHOD; PRIVATE; MOBILE; COMMUNICATE; SERVICE;
SYSTEM
Derwent Class: W01; W02
International Patent Class (Main): H04Q-007/26
File Segment: EPI

26/5/18 (Item 13 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013647233 **Image available**
WPI Acc No: 2001-131442/200114
XRPX Acc No: N01-097562

Internet protocol conference telephone system for local area
telephone switching system, has conference trunk to add and subtract
audio signal in data packets received from telephone terminal

Patent Assignee: OKI ELECTRIC IND CO LTD (OKID)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000349756	A	20001215	JP 99162065	A	19990609	200114 B

Priority Applications (No Type Date): JP 99162065 A 19990609

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000349756	A		10	H04L-012/18	

Abstract (Basic): JP 2000349756 A

NOVELTY - Call control unit (28) connects telephone terminals (Tel1-Tel3) through internet protocol (IP) network (10) based on connection demand from telephone terminal. The IP bridge (20) multiplexes data packets from telephone terminals received through IP network and transmits to conference trunk (24). The audio signal in data packet is added and subtracted in trunk and returned back to the telephone terminals.

USE - Internet protocol conference telephone system for local area telephone switching (PBX) system.

ADVANTAGE - Conference connection is established between telephone terminal equipments connected to IP network using the conference trunk.

DESCRIPTION OF DRAWING(S) - The figure shows the connection diagram showing example of IP - PBX system using the IP conference telephone system.

IP network (10)

IP bridge (20)

Conference trunk (24)

Call control unit (28)

Telephone terminals (Tel1-Tel3)

pp; 10 DwgNo 1/5

Title Terms: PROTOCOL; CONFER; TELEPHONE; SYSTEM; LOCAL; AREA; TELEPHONE;
SWITCH; SYSTEM; CONFER; TRUNK; ADD; SUBTRACT; AUDIO; SIGNAL; DATA; PACKET
; RECEIVE; TELEPHONE; TERMINAL

Derwent Class: W01

International Patent Class (Main): H04L-012/18

International Patent Class (Additional): H04L-012/28; H04L-012/46;

H04L-012/56; H04L-029/06; H04M-003/56

File Segment: EPI

26/5/19 (Item 14 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012910396 **Image available**

WPI Acc No: 2000-082232/200007

XRPX Acc No: N00-065495

Switching connection system for LAN telephone terminal in Internet - has controller which controls communication of call connection control information via LAN interface circuit, to connect line circuit or trunk circuit with telephone terminal

Patent Assignee: NEC CORP (NIDE)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11331371	A	19991130	JP 98142045	A	19980511	200007 B
JP 3303776	B2	20020722	JP 98142045	A	19980511	200254

Priority Applications (No Type Date): JP 98142045 A 19980511

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11331371	A	17	H04M-003/00	
JP 3303776	B2	18	H04M-003/00	Previous Publ. patent JP 11331371

Abstract (Basic): JP 11331371 A

NOVELTY - A controller controls the communication of the call connection control information via a LAN interface circuit, to connect a line circuit or a trunk circuit with the telephone terminal (20). A memory manages the connection condition of the telephone terminal, based on call start time information. DETAILED DESCRIPTION - The IP address of a LAN connection circuit, which communicates the **call control** message, is matched with preset value in a number expansion table. A converter performs mutual conversion of the aural data format of the switch. An INDEPENDENT CLAIM is also included for switching connection procedure of LAN telephone terminal.

USE - For enabling switching connection of LAN telephone terminal in Internet, to **PBX**.

ADVANTAGE - Since additional exclusive accommodation unit is not needed, LAN telephone terminal can be accommodated economically.

DESCRIPTION OF DRAWING(S) - The figure shows block diagram explaining switching connection system of LAN telephone terminal. (20) LAN telephone terminal.

Dwg.1/15

Title Terms: SWITCH; CONNECT; SYSTEM; LAN; TELEPHONE; TERMINAL; CONTROL; CONTROL; COMMUNICATE; CALL; CONNECT; CONTROL; INFORMATION; LAN; INTERFACE; CIRCUIT; CONNECT; LINE; CIRCUIT; TRUNK; CIRCUIT; TELEPHONE; TERMINAL

Derwent Class: W01

International Patent Class (Main): H04M-003/00

International Patent Class (Additional): H04L-012/28; H04L-012/46;

H04L-012/66; H04M-011/00

File Segment: EPI

26/5/20 (Item 15 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012337064 **Image available**

WPI Acc No: 1999-143171/199912

XRPX Acc No: N99-103990

Communication system with public switched telephone (PST) network and Internet Protocol (IP) network - has private branch exchange (PBX) coupled to PST for routing telephone call over PST network, with telephone coupled to PBX, and couples voice gateway to PBX via call status cell control link and trunk

Patent Assignee: STARVOX INC (STAR-N); WINSTON R (WINS-I); BARRY R J

(BARR-I); CHANG G K (CHAN-I); HARBISON R W (HARB-I); LO M C (LOMC-I);

RAAB S R (RAAB-I); ARCH DEV CORP (ARCH-N)

Inventor: BARRY R B; CHANG G K; HARBISON R W; LO M C; RAAB S R; WINSTON R;

August 21, 2003

BARRY R J

Number of Countries: 082 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9905590	A2	19990204	WO 98US15015	A	19980722	199912 B
AU 9885767	A	19990216	AU 9885767	A	19980722	199926
EP 1021757	A1	20000726	EP 98936930	A	19980722	200037
			WO 98US15015	A	19980722	
US 20020018308	A1	20020214	US 9753763	P	19970725	200214
			US 98122136	A	19980724	
			US 2000559623	A	20000427	
			US 2001875820	A	20010606	
US 6467916	B2	20021022	US 9753763	P	19970725	200273
			US 98122136	A	19980724	
			US 2000559623	A	20000427	
			US 2001875820	A	20010606	
US 20030091028	A1	20030515	US 9753763	P	19970725	200335
			US 9763742	P	19971017	
			US 9873056	P	19980129	
			US 9861802	A	19980417	
			US 200286602	A	20020304	
US 20030095542	A1	20030522	US 9753763	P	19970725	200336
			US 9763742	P	19971017	
			US 9873056	P	19980129	
			US 9861802	A	19980417	
			US 200286268	A	20020304	
US 20030095541	A1	20030522	US 9753763	P	19970725	200336
			US 9763742	P	19971017	
			US 9873056	P	19980129	
			US 9861802	A	19980417	
			US 200286262	A	20020304	

Priority Applications (No Type Date): US 9861802 A 19980416; US 9753763 P 19970725; US 9763742 P 19971017; US 9873056 P 19980129; US 98122136 A 19980724; US 2000559623 A 20000427; US 2001875820 A 20010606; US 200286602 A 20020304; US 200286262 A 20020304; US 200286268 A 20020304

Cited Patents: No-SR.Pub

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9905590	A2	E	111	G06F-003/00	
Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW					
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW					
AU 9885767	A				Based on patent WO 9905590
EP 1021757	A1	E		G06F-003/00	Based on patent WO 9905590
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE					
US 20020018308	A1			G02B-005/08	Provisional application US 9753763
Cont of application US 98122136					
Cont of application US 2000559623					
US 6467916	B2			G02B-005/10	Provisional application US 9753763
Cont of application US 98122136					
Cont of application US 2000559623					
US 20030091028	A1			H04Q-011/00	Provisional application US 9753763
Provisional application US 9763742					
Provisional application US 9873056					
Div ex application US 9861802					
US 20030095542	A1			H04L-012/66	Provisional application US 9753763
Provisional application US 9763742					

August 21, 2003

US 20030095541 A1 H04L-012/66 Provisional application US 9873056
Div ex application US 9861802
Provisional application US 9753763

Provisional application US 9763742
Provisional application US 9873056
Div ex application US 9861802

Abstract (Basic): WO 9905590 A

NOVELTY - The system provides an integrated voice gateway system for use within a company which can route a voice telephone call between parties at two different locations over an **Internet Protocol (IP)** network (18) as well as the PSTN (16) and automatically select which of the **IP** or PSTN over which to route the calls. DETAILED DESCRIPTION - The system includes **PC call control** for controlling a telephone coupled to the **PBX** from a desktop workstation coupled to the voice gateway.

USE - For providing an integrated voice gateway system.

ADVANTAGE - Provides highly integrated voice gateway system for use within a company and between companies having installations at two or more locations geographically distant from each other. DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram of the top level architecture of the integrated voice gateway system. (18) **IP** network; (16) PSTN.

Dwg. 2/58

Title Terms: COMMUNICATE; SYSTEM; PUBLIC; SWITCH; TELEPHONE; PST; NETWORK; PROTOCOL; **IP** ; NETWORK; PRIVATE; BRANCH; EXCHANGE; **PBX** ; COUPLE; PST; ROUTE; TELEPHONE; CALL; PST; NETWORK; TELEPHONE; COUPLE; **PBX** ; COUPLE; VOICE; GATEWAY; **PBX** ; CALL; STATUS; CELL; CONTROL; LINK; TRUNK .

Derwent Class: P81; T01; W01

International Patent Class (Main): G02B-005/08; G02B-005/10; G06F-003/00;
H04L-012/66; H04Q-011/00

International Patent Class (Additional): G02B-007/182; H04L-012/16;
H04L-012/28; H04L-012/56

File Segment: EPI; EngPI

August 21, 2003

File 348:EUROPEAN PATENTS 1978-2003/Aug W02

(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20030814,UT=20030807

(c) 2003 WIPO/Univentio

Set	Items	Description
S1	4488	PBX OR PRIVATE()BRANCH?()EXCHANGE?
S2	61023	VOICE()OVER()INTERNET OR INTERNET()PROTOCOL? OR IP OR IPN
S3	1937037	FIND? OR ANALY? OR EXAMIN? OR ASCERTAIN? OR ASSESS? OR CHE- CK? OR CHEQUE? OR CONFIRM? OR DEDUC? OR DETECT? OR DETERMIN? - OR DISCERN? OR DISCRIMINAT? OR DISCOVER? OR IDENTIF? OR LOCAT? OR PINPOINT? OR RECOGNI?
S4	337154	CONGEST? OR CLOG? OR BOTTLENECK? OR PACK? OR BUSY? OR BACK- ?()UP
S5	1613926	SWITCH? OR CHANG? OR ADAPT? OR ADJUST? OR ALTER OR ALTERAB- LE OR CHANG? OR MODIF? OR READJUST?
S6	1345743	ALTERNAT? OR ANOTHER OR DIFFERENT? OR OPTIMAL?
S7	1096028	ROUT? OR PATH? OR LINE? OR NETWORK? OR TRACK? OR CHANNEL?
S8	18474	(CALL? OR SWITCH? OR TRAFFIC?)()CONTROL?
S9	2974	VOICE(3N)CONVERT?
S10	3045	REAL()TIME(2N)TRANSPORT? OR RTP
S11	31896	S3(3N)S4
S12	15930	S5(3N)S6(3N)S7
S13	282	S11(S)S12
S14	63	S13(S)S2
S15	9	S13(S)S1
S16	0	S15 NOT S14
S17	28	S13(S)S8
S18	21	S17 NOT S15
S19	3	S13(S)S9
S20	13	S13(S)S10
S21	30	S1(S)S2(S)S11
S22	20	S21 NOT (S18 OR S15)
S23	52	S1(S)S2(S)S8
S24	12	S23(S)(S9 OR S10)
S25	8	S24 NOT (S22 OR S18 OR S15 OR S14)
S26	34	S23 NOT (S25 OR S22 OR S18 OR S14)
S27	21	S13(15N)S2
S28	1	S19 NOT (S15 OR S18)
S29	6	S20 NOT (S15 OR S18)

August 21, 2003

15/5,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01307904

Method and apparatus for overload control in multibranch packet networks
Verfahren und Gerat zur Überlastungssteuerung in einem Paketennetz mit
mehreren Abzweigungen

Methode et dispositif pour la regulation de surcharge dans un reseau de
paquets ayant plusieurs branchements

PATENT ASSIGNEE:

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LEGAL REPRESENTATIVE:

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PATENT (CC, No, Kind, Date): EP 1119144 A2 010725 (Basic)
EP 1119144 A3 020213

APPLICATION (CC, No, Date): EP 2001300485 010119;

PRIORITY (CC, No, Date): US 488182 000120

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04L-012/56; H04M-007/00

ABSTRACT EP 1119144 A2

A method and apparatus are disclosed for congestion management in a multi-branch Internet Protocol (IP)-based **private branch exchange (PBX)** switch. The multi-branch IP-based **PBX** switch is interconnected through (i) a packet network referred to as the primary network, such as a wide area **network (WAN)**, and (ii) an **alternate network**, such as the public **switched telephone network (PSTN)**,. Packet phone **adapters (PPAs)** associated with each packet telephone unit monitor packet telephone calls and report delay information to communication servers. The communication server can reroute the packet telephony calls through the secondary network upon **detection of congestion** in the underlying primary network, thereby preserving voice quality. The packet phone adapter (PPA) will discard records collected from calls whose duration is below a minimum value, to ensure reliable congestion information. Each communication server records reported voice quality of service information in a congestion control database. An overload control process processes each call set up request and determines if the requested path is congested. If a requested path is congested, then the overload control process may forward the call using the secondary network.

ABSTRACT WORD COUNT: 181

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 010725 A2 Published application without search report
Change: 020213 A2 International Patent Classification changed:
20011227

Search Report: 020213 A3 Separate publication of the search report
Examination: 020911 A2 Date of request for examination: 20020709

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200130	570
SPEC A	(English)	200130	3287
Total word count - document A			3857
Total word count - document B			0
Total word count - documents A + B			3857

August 21, 2003

...ABSTRACT and apparatus are disclosed for congestion management in a multi-branch Internet Protocol (IP)-based **private branch exchange (PBX)** switch. The multi-branch IP-based **PBX** switch is interconnected through (i) a packet network referred to as the primary network, such as a wide area **network** (WAN), and (ii) an **alternate network**, such as the public **switched telephone network** (PSTN),. Packet phone **adapters** (PPAs) associated with each packet telephone unit monitor packet telephone calls and report delay information...

...servers. The communication server can reroute the packet telephony calls through the secondary network upon **detection of congestion** in the underlying primary network, thereby preserving voice quality. The packet phone adapter (PPA) will...

...SPECIFICATION multi-branch packet network includes paths through a primary network, such as a wide area **network** (WAN), and an **alternate network**, such as the public **switched telephone network** (PSTN), for interconnecting **packet** telephones **located** at two locations.
According to one aspect of the invention, packet phone adapters (PPAs) associated...

15/5,K/2 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00806384

NETWORK AND LIFE CYCLE ASSET MANAGEMENT IN AN E-COMMERCE ENVIRONMENT AND METHOD THEREOF

GESTION D'ACTIFS DURANT LE CYCLE DE VIE ET EN RESEAU DANS UN ENVIRONNEMENT DE COMMERCE ELECTRONIQUE ET PROCEDE ASSOCIE

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Inventor(s):

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Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th Floor,
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200139030 A2 20010531 (WO 0139030)

Application: WO 2000US32324 20001122 (PCT/WO US0032324)

Priority Application: US 99444775 19991122; US 99447621 19991122

Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK

DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT

LU LV MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR

TT UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 171499

English Abstract

French Abstract

August 21, 2003

Legal Status (Type, Date, Text)

Publication 20010531 A2 Without international search report and to be
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Examination 20010913 Request for preliminary examination prior to end of
19th month from priority date
Declaration 20021024 Late publication under Article 17.2a
Republication 20021024 A2 With declaration under Article 17(2)(a); without
abstract; title not checked by the International
Searching Authority.

Fulltext Availability:
Detailed Description

Detailed Description

... to a destination location, which may be another switch, a local
exchange carrier, or a **private branch exchange**. The call is
transmitted over a transmission line referred to as the terminating port,
or...locating the user profile within the rules database, the rules
database can provide seamless cross- **location** registration without the
need for
123
duplicate databases located on different networks. Using a rules...

15/5,K/3 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00806382

METHOD FOR AFFORDING A MARKET SPACE INTERFACE BETWEEN A PLURALITY OF
MANUFACTURERS AND SERVICE PROVIDERS AND INSTALLATION MANAGEMENT VIA A
MARKET SPACE INTERFACE
PROCEDE DE MISE A DISPOSITION D'UNE INTERFACE D'ESPACE DE MARCHE ENTRE UNE
PLURALITE DE FABRICANTS ET DES FOURNISSEURS DE SERVICES ET GESTION
D'UNE INSTALLATION VIA UNE INTERFACE D'ESPACE DE MARCHE

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
(Residence), US (Nationality)

Inventor(s):

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Legal Representative:

HICKMAN Paul L (et al) (agent), Oppenheimer Wolff & Donnelly LLP, 1400
Page Mill Road, Palo Alto, CA 94304, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139028 A2 20010531 (WO 0139028)
Application: WO 2000US32308 20001122 (PCT/WO US0032308)
Priority Application: US 99444773 19991122; US 99444798 19991122

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ
DE DK DM DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK
LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK
SL TJ TM TR TT TZ UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 170977

English Abstract

August 21, 2003

French Abstract

On decrit un systeme, un procede et un article manufacture qui constituent une structure de chaine d'approvisionnement fondee sur le reseau. L'installation d'un service est geree au moyen d'un reseau. La demande et l'approvisionnement des offres de fabricant sont planifiees au moyen du reseau et les commandes relatives aux offres du fabricant sont egalement gerees au moyen du reseau. Le reseau est egalement utilise pour gerer les actifs sur le reseau, y compris pour effectuer la maintenance et le service pour les actifs de reseau au moyen du reseau.

Legal Status (Type, Date, Text)

Publication 20010531 A2 Without international search report and to be republished upon receipt of that report.
Examination 20010913 Request for preliminary examination prior to end of 19th month from priority date
Declaration 20020725 Late publication under Article 17.2a
Republication 20020725 A2 With declaration under Article 17(2)(a); without abstract; title not checked by the International Searching Authority.

Fulltext Availability:
Detailed Description

Detailed Description

... a link along a path between nodes of the network. Each block consists of a **packet** together with control information in the form of a header and a trailer which are...

15/5,K/4 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00785481 **Image available**

APPARATUS AND METHOD FOR ENABLING VOICE OVER IP SUPPORT FOR A NETWORK SWITCH

DISPOSITIF ET PROCEDURE PERMETTANT LE SUPPORT DE LA VOIX SUR IP POUR UN COMMUTATEUR DE RESEAU

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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AMBE Shekhar, 3220 Verdant Way, San Jose, CA 95117, US, US (Residence), IN (Nationality), (Designated only for: US)
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Legal Representative:

GOLDHUSH Douglas H (et al) (agent), Arent Fox Kintner Plotkin & Kahn, PLLC, Suite 600, 1050 Connecticut Avenue, N.W., Washington, DC 20036, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200119040 A1 20010315 (WO 0119040)
Application: WO 2000US20812 20000901 (PCT/WO US0020812)
Priority Application: US 99152289 19990903; US 2000528434 20000317

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG
SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

August 21, 2003

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04L-012/56

International Patent Class: H04L-012/44; H04L-012/64

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 30021

English Abstract

An apparatus and method for switching VOIP packets in a data network, wherein the method includes the steps of receiving a first packet in a network switch and determining if the first packet is a VOIP packet. Further, method includes determining a dynamically negotiated VOIP port for a VOIP session from at least one of the first packet and a second packet received in the network switch, if the first packet is determined to be the VOIP packet. Finally, the method includes the steps of classifying all subsequent VOIP packets corresponding to the dynamically negotiated VOIP port in accordance with predetermined parameters. The apparatus includes a network switch having at least one data port interface controller supporting a plurality of data ports for transmitting and receiving data, and a fast filtering process or in communication with the at least one data port interface. At least one filtering table in communication with the fast filtering processor is provided, wherein the fast filtering processor is configured to snoop packets being transmitted through the network switch to trap a VOIP call setup message, and thereafter, determine a dynamically negotiated VOIP port so that all subsequent VOIP packets can be filtered and assigned an appropriate priority.

French Abstract

L'invention concerne un dispositif et un procede de commutation de paquets VOIP (Voix sur IP) dans un reseau de donnees, ledit procede consistant a recevoir un premier paquet au niveau d'un commutateur de reseau et a determiner si ce premier paquet est un paquet VOIP. Ce procede consiste egalement a determiner un port VOIP negocie de maniere dynamique pour une session VOIP a partir du premier paquet et/ou du deuxieme paquet recu par le commutateur du reseau, si le premier paquet est bien un paquet VOIP. Enfin, ce procede consiste a classer, selon des parametres determines, tous les paquets VOIP ulterieurs correspondant audit port VOIP. Le dispositif de l'invention comprend un commutateur de reseau muni d'au moins un controleur d'interface d'entree de donnees compatible avec plusieurs ports de donnees pour l'emission et la reception des donnees, ainsi qu'un processeur de filtrage rapide en communication avec au moins une interface d'entree de donnees. Ledit processeur, qui est en communication avec au moins une table de filtrage, est configure pour espionner les paquets transmis via le commutateur de reseau afin de pieger un message d'etablissement d'appel VOIP, puis de determiner un port VOIP negocie de facon dynamique afin que tous les paquets VOIP ulterieurs puissent etre filtres et que leur soit attribuee une priorite appropriee.

Legal Status (Type, Date, Text)

Publication 20010315 A1 With international search report.

Publication 20010315 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Examination 20010712 Request for preliminary examination prior to end of 19th month from priority date

Correction 20020808 Corrected version of Pamphlet: pages 1/27-27/27, drawings, replaced by new pages 1/27-27/27; due to late transmittal by the receiving Office

Republication 20020808 A1 With international search report.

Fulltext Availability:
Claims

Claim

... audio, video, and other real time data is continuously and smoothly transmitted.

If the requested **packet** is **located** in CBP 50, the CIPID is passed from transaction FIFO 132 to packet FIFO 139. If the requested **packet** is

located in GBP 60, the scheduler initiates a fetch of the packet from GBP 20 to 60...

...the packet can only be retrieved from the CBP; for this reason, if the requested **packet** is **located** in the GBP 50, the scheduler fetches the packet so that the egress can properly...cell 112a, incorporating cell header information, to TCU 137 and untag unit 138. TCU 137 **determines** whether the **packet** has aged by comparing the time stamps stored within data cell 112a and the current...another configuration for a VOIP application is illustrated in Figure 22. In this situation IP **PBX** phones 126 are used to connect multiple offices of the corporation together via the corporate phone gateway, **PBX**, and a call center are combined in a turnkey solution in the form of the IP **PBX** phone network interconnected via the corporate data network 122. Therefore, the IP **PBX** 127 and the IP phone 126 are then elements of the corporate WAN connection, and thus, are associated with specific addresses thereon. Additionally, the IP **PBX** 127 also generally includes an interface with a PSTN, so that the phones on the...

...filtering processor (FFP) 141 to identify VOIP related packets and take appropriate actions upon the **identified packets** in order to facilitate transmission of the VOIP related packets through the network. The fast...

...an action upon the packet in accordance with a predetermined action field stored in the **network switch**. **Alternatively**, an exclusive filter scheme could be employed, wherein a no-match state triggered taking action...a VOIP data packet is transmitted through network switch 125, the fast filtering processor 141 **identifies** the **packet** as a VOIP data packet, and can then take action on the packet to increase...

...VOIP packets traveling through network switch 125, the present invention may also be configured to **examine** or snoop into **packets** traveling through network switch 125 to identify and trap packets associated with the initial setup...

15/5,K/5 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00784132

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A LEGACY WRAPPER IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT
SYSTEME, PROCEDE ET DISPOSITIF POUR MODULE D'HABILLAGE EXISTANT DANS UN ENVIRONNEMENT DE SCHEMAS DE SERVICES DE COMMUNICATION

August 21, 2003

Patent Applicant/Assignee:

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HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 1400 Page Mill
Road, Palo Alto, CA 94304, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200116724 A2-A3 20010308 (WO 0116724)

Application: WO 2000US24084 20000831 (PCT/WO US0024084)

Priority Application: US 99386834 19990831

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DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT

LU LV MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR

TT UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-009/44

International Patent Class: G06F-009/46

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 150947

English Abstract

A system, method, and article of manufacture are provided for affording access to a legacy system. A plurality of components coupled to a client via a component integration architecture are provided for servicing the client. A legacy system is interconnected to the client via the integration architecture using a legacy wrapper. The legacy system and the client are interfaced via the legacy wrapper by communicating with the client by way of a first protocol and by communicating with the legacy system by way of a second protocol.

French Abstract

Cette invention concerne un systeme, un procede et un dispositif donnant acces a un systeme existant. Une pluralite de composants relies a un client via une architecture d'integration de composants est mise a la disposition du client. Un systeme existant est interconnecte via l'architecture d'integration au moyen d'un module d'habillage existant. Le systeme existant et le client sont mis en interface via le module d'habillage existant, la communication avec le client se faisant au moyen d'un premier protocole, celle avec le systeme existant au moyen d'un second protocole.

Legal Status (Type, Date, Text)

Publication 20010308 A2 Without international search report and to be republished upon receipt of that report.

Examination 20011011 Request for preliminary examination prior to end of 19th month from priority date

Search Rpt 20020620 Late publication of international search report

Republication 20020620 A3 With international search report.

Fulltext Availability:

Detailed Description

Detailed Description

... monitors available today provide security authorization/
authentication services.

August 21, 2003

Most of them utilize the Kerberos security **package** , developed at the Massachusetts Institute of Technology (MIT).

Does the system access legacy systems?
TP...

15/5,K/6 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00784125

SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR PIECEMEAL RETRIEVAL IN AN
INFORMATION SERVICES PATTERNS ENVIRONMENT
SYSTEME, PROCEDE ET ARTICLE DE FABRICATION DESTINES A LA RECHERCHE
FRAGMENTAIRE DANS UN ENVIRONNEMENT DE MODELES DE SERVICES
D'INFORMATIONS

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200116705 A2-A3 20010308 (WO 0116705)
Application: WO 2000US24085 20000831 (PCT/WO US0024085)
Priority Application: US 99386433 19990831

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ
VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-009/44

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Filing Language: English

Fulltext Availability:

Detailed Description
Claims

Fulltext Word Count: 150355

English Abstract

A system, method and article of manufacture are provided for providing a warning upon retrieval of objects that are incomplete. An object is provided with at least one missing attribute. Upon receipt of a request from an application for the object access to the attributes of the object is allowed by the application. A warning is provided upon an attempt to access the attribute of the object that is missing.

French Abstract

L'invention concerne un systeme, un procede et un article de fabrication concus pour emettre un avertissement lors de l'extraction d'objets qui sont incomplets. L'objet fourni presente au moins un attribut manquant. Des la reception d'une requete d'une application pour l'objet, ladite application autorise l'accès aux attributs de cet objet. Un avertissement est emis lorsque l'on tente d'accéder a l'attribut manquant de l'objet.

Legal Status (Type, Date, Text)

Publication 20010308 A2 Without international search report and to be republished upon receipt of that report.

August 21, 2003

Examination 20011018 Request for preliminary examination prior to end of
19th month from priority date
Search Rpt 20011122 Late publication of international search report
Republication 20011122 A3 With international search report.

Fulltext Availability:
Detailed Description

Detailed Description

... as address resolution, message routing, security screening and many
more.

The communications fabric provides common **network** services to the
platform-specific **network** services residing on the client and server
nodes. These common network services can be used...

15/5,K/7 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00568560 **Image available**

VOICE OVER DATA TELECOMMUNICATIONS NETWORK ARCHITECTURE
ARCHITECTURE DE RESEAU DE TELECOMMUNICATION VOIX-DONNEES

Patent Applicant/Assignee:

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MITCHELL Jonathan S,
WANG Jin-Gen,
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ZIMMERER Eric,
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OWEN Kraig,
LEWIS Shawn M,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200031933 A1 20000602 (WO 0031933)

Application: WO 99US27658 19991122 (PCT/WO US9927658)

Priority Application: US 98197203 19981120

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK
DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ
BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT
SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Main International Patent Class: H04L-012/66

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 105482

English Abstract

The present invention describes a system and method for communicating
voice and data over a packet-switched network that is adapted to coexist
and communicate with a legacy PSTN. The system permits packet switching
of voice calls and data calls through a data network (112) from and to
any of an LEC, a customer facility or a direct IP connection on the data
network. The system includes soft switch sites (104, 106), gateway sites

(108, 110), a data network (112), a provisioning component (117), a network event component (116) and a network management component (118). The system interfaces with customer facilities (128, 132) (e.g., a PBX) carrier facilities (126, 130) (e.g., an LEC) and legacy signaling networks (114) (e.g., SS7) to handle calls between any combination of on-network and off-network callers.

French Abstract

L'invention concerne un systeme et un procede de communication vocale et de communication de donnees via un reseau a commutation par paquets concu pour coexister et communiquer avec un reseau telephonique public commute anterieur. Ce systeme permet de commuter par paquets des communications vocales et des communications de donnees via un reseau de donnees (112) vers et en provenance d'un fournisseur de services local, d'une installation d'abonnes ou d'une connexion IP sur le reseau de donnees. Ce systeme comprend des sites de commutation polyvalents (104, 106), des sites de communication interreseau (108, 110), un reseau de donnees (112), un composant d'approvisionnement (117), un composant d'evenement de reseau (116) et un composant de gestion de reseau (118). Ce systeme est interfacable avec des installations d'abonnes (128, 132) (par exemple un autocommutateur prive), des installations d'entreprises de telecommunication (126, 130) (par exemple un fournisseur de services local), et des reseaux de signalisation anterieurs (par exemple, SS7) afin de traiter des appels entre toute combinaison de demandeurs interieurs et exterieurs au reseau.

Fulltext Availability:

Detailed Description

Detailed Description

... simple network
management protocol (SNMP) to network management component I I 8.

Trunks can handle **switched** voice traffic and data traffic. For example, trunks can include digital signals DSI-DS4 transmitted...temporarily grounded to get a dial

tone. Ground starts are typically used for CO to **PBX** connections.

Ground

starting is effectively a handshaking routine that is performed by the CO and **PBX**. The CO and **PBX** agree to dedicate a path so that incoming and outgoing calls cannot conflict, so that "glare" cannot occur.

The **PBX** can check to see if a CO ground start trunk has been dedicated.

In order to see if the trunk has been dedicated, the **PBX** checks to see if the tip lead is grounded. An undedicated ground start trunk has an open relay between 0 V (ground) and the tip lead connected to the **PBX**. If the trunk has been dedicated, the CO will close the relay and ground the tip lead.

In a ground start, the **PBX** can also indicate to the CO that it requires a trunk. The **PBX** has a **PBX** CO caller circuit. The **PBX** CO caller circuit can call a CO ground start trunk. The **PBX** CO caller circuit briefly grounds the ring lead causing DC current to flow. The CO detects the current flow and interprets it as a request for service from the **PBX**.

"Glare" occurs when both ends of a telephone line or trunk are seized at the...

15/5,K/8 (Item 7 from file: 349)
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00456834 **Image available**

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**A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR SWITCHED TELEPHONY
COMMUNICATION**

**SYSTEME PROCEDE ET ARTICLE CONCU POUR LES COMMUNICATIONS TELEPHONIQUES PAR
RESEAU COMMUTE**

Patent Applicant/Assignee:

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Inventor(s):

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Patent and Priority Information (Country, Number, Date):

Patent: WO 9847298 A2 19981022

Application: WO 98US7927 19980415 (PCT/WO US9807927)

Priority Application: US 97835789 19970415; US 97834320 19970415

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN
MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW
GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK
ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN
TD TG

Main International Patent Class: H04M-003/42

International Patent Class: H04M-007/00; H04Q-003/00; H04M-003/30

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 156638

English Abstract

A hybrid telecommunication system includes a switched network which transfers information across the Internet to provide multi-routed and multidimensional callback processing. The hybrid network includes one or more switched networks coupled to one or more packet transmission networks, and a call router coupled to the switched communication network and the packet transmission network to route information to the appropriate switched telephony device or Internet device address. A computer with an attached display communicates with the packet transmission network. The computer is used to initiate remote management of the hybrid network, including tests of the hybrid network. The tests include circuit analysis such as selecting signaling states which could be loop start, ground start, or detecting signals such as dual tone multifrequency, multifrequency or dialpulse. The hybrid network includes support for an operator to monitor the management of the hybrid network, and an expert system to regulate the Quality of Service of the hybrid telecommunication system.

French Abstract

La presente invention se rapporte a un systeme de telecommunications hybride comprenant un reseau commute qui transmet les informations via Internet pour permettre un traitement de rappel multidimensionnel a acheminement multiples. Ce systeme hybride comprend un ou plusieurs reseaux commutes couples a un ou a plusieurs reseaux de transmission par paquets, un dispositif d'acheminement d'appels couple au reseau commute, et un reseau de paquets acheminant les informations a l'adresse du dispositif telephonique commute ou du dispositif Internet. Un ordinateur equipe d'un afficheur communique avec le reseau de paquets. L'ordinateur assure le declenchement de la telegestion du reseau hybride ainsi que des tests du reseau hybride. Ces tests comprennent l'analyse du circuit et notamment la selection des etats de signalisation ainsi que le demarrage sur court-circuit ou sur prise de terre, mais aussi la detection de signaux tels que les multifrequences bi-tons, les multifrequences ou les impulsions. Le reseau hybride assure une assistance operateur permettant de surveiller la gestion du reseau hybride, un systeme expert assurant le controle qualite de service (QOF) du systeme de telecommunications hybride.

Fulltext Availability:

Detailed Description

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Detailed Description

... Mail, Store & Forward Video and

Greetings

If a destination number does not answer or is **busy**, the Video Mail Server

will play the appropriate Video-Mail greeting for the owner of...

15/5,K/9 (Item 8 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00432616

A COMMUNICATION SYSTEM ARCHITECTURE

SYSTEME, PROCEDE ET PRODUIT MANUFACTURE POUR L'ARCHITECTURE D'UN SYSTEME DE COMMUNICATION

Patent Applicant/Assignee:

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DUGAN Andrew J,

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SMITH Robert S II,

KELLY Patrick J III,

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COLLIER Matthew T,

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REYNOLDS Tim E,

SOLBRIG Erin M,

CERF Vinton,

GROSS Phil,

DUGAN Andrew J,

SIMS William A,

HOLMES Allen,

SMITH Robert S II,

KELLY Patrick J III,

GOTTLIEB Louis G,

COLLIER Matthew T,

WILLE Andrew N,

RINDE Joseph,

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LITZENBERGER Paul D,
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WALTERS John J,
EASTEP Guido M,
MARSHALL David D,
PRICE Ricky A,
SALEH Bilal A,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9823080 A2 19980528
Application: WO 97US21174 19971114 (PCT/WO US9721174)
Priority Application: US 96751203 19961118; US 96751668 19961118; US
96752271 19961118; US 96758734 19961118; US 96751209 19961118; US
96751661 19961118; US 96752236 19961118; US 96752487 19961118; US
96752269 19961118; US 96751923 19961118; US 96751658 19961118; US
96752552 19961118; US 96751933 19961118; US 96751663 19961118; US
96746899 19961118; US 96751915 19961118; US 96752400 19961118; US
96751922 19961118; US 96751961 19961118

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FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN
MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU
ZW GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES
FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD
TG

Main International Patent Class: H04M-007/00

International Patent Class: H04L-012/56; H04N-007/14; H04L-029/06;
H04M-003/42; H04M-003/50; H04M-011/06; H04M-015/00; H04Q-003/00;
H04M-003/46

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 168195

English Abstract

Telephone calls, data and other multimedia information is routed through a hybrid network which includes transfer of information across the internet. A media order entry captures complete user profile information for a user. This profile information is utilized by the system throughout the media experience for routing, billing, monitoring, reporting and other media control functions. Users can manage more aspects of a network than previously possible, and control network activities from a central site.

French Abstract

Des appels telephoniques, des donnees et autres informations multimedias sont achemines par un reseau hybride capable egalement de transmission de donnees par l'Internet. Une rubrique d'ordonnancement des supports utilise en mode exclusif des informations completes de profils utilisateurs concernant un meme utilisateur. Ces informations de profils sont utilisees par le systeme, pendant toute la duree active du support, a des fins d'acheminement, de facturation, de surveillance, de compte-rendu et autres fonctionnalites de gestion de supports. Les utilisateurs peuvent ainsi gerer un plus grand nombre de fonctionnalites reseau et gerer des activites reseau depuis un site central.

Fulltext Availability:

Detailed Description

Detailed Description

... termination numbers without having to re-enter termination numbers which they do not wish to **change**. Specifically, the directlineMCI **routing** modification capability requires the subscriber to re-enter all termination numbers in a routing sequence...WWW Browser or ARU interfaces, but such integration can be implemented in an **alternative** embodiment. The subscriber is able to send a message to a

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distribution list from the...converted to PCM audio are transferred to the packetizer/depacketizer 292.

The packetizer/depacketizer takes **packet** contents and hands them to the codec 291. which converts compressed audio into PCM Audio...service.

1. A PC to PC call where the Directory service is queried for the **location** of the terminating PC.

PCs connected to an Intranet using the Intranet as transport.

Both...

...the ITG as an out of network element. The destination phone is connected to a **PBX**.

171

The PC may also be using a public ITG that must be access through...

...PSTN with the ITG as an innetwork element. The destination phone is connected to a **PBX**.

e The PC may also be using a public ITG that must be accessed through... an in-network element.

PC on an intranet using a private ITG connected to a **PBX** with the traffic carried over the Intranet.

PC is at a different site than the...

...connection to the corporate Intranet.

3. A phone to PC call where the DAP or **PBX** triggers out to the Internet Directory Service to identify the terminating IP address and ITG...

...as the PC to phone.

4. A Phone to Phone call where the DAP or **PBX** must query the Directory Service to determine whether the call should be terminated to the subscriber's phone or PC.

Possible Variations.

Both Phones are on a **PBX** ;

172

One phone is on a **PBX** and the other phone is on the PSTN. and Both phones are on the PSTN...but ITG 4 these ITGs also provide a connection between the corporate Intranet and the **PBX**.

IAD I The Internet access device provides general dial-up Internet access from a user...

...IAD can be thought of as a modem pool that provides access to the Internet.

PBX I Private Brach Exchange - This is customer premise equipment that provides connection between phones that are geographically co-located. The **PBX** also

PBX 2

provides a method from those phones to make outgoing calls from the site onto...

...PBXs, but in the VNET call flows for this document, a possible interaction between the **PBX** and the Directory Service is shown.

These PBXs also show a connection to an ITG...

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...the bridging service between a customer's Intranet and the traditional voice capabilities of the **PBX** .

Ph1 I These are traditional **PBX** connected phones.

PhI2

Ph21

Ph22

PC 11 These are customer premises PCs that are connected...to a phone which is reachable through a private ITG connected to the customer's **PBX** , the directory service will return the following.

- The VNET number of an ITG gateway that is connected to the **PBX** serving the destination phone. This association between the destination phone the ITG connected to its serving **PBX** is made by the directory service.

- The VNET number to be dialed by the ITG when it offers the call to the **PBX** . In most cases this will just be an extension number.

PC connects to an ITG...required to enter the number 8 prior to dialing the VNET number to signal a **PBX** that they are using the VNET network to route the call. Once the telephony software...that there is no integration between the internet and a customer premises Public Branch Exchange (**PBX**). If there were integration, it might be possible for the PC to go through the Internet (or intranet) to connect to an ITG on the customers **PBX** , avoiding the use of the PSTN. Figure 12 is a callflow diagram in accordance with a...from the PC to the Internet/Intranet to an internet gateway directly connected to a **PBX** .

Figure 14 illustrates a VNET Personal Computer (PC) to in-network Phone Information call flow...

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18/5,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01513618

Terminal-to-terminal communication connection control system for IP full service

Endgerat-zu-Endgerat-Kommunikationssteuerungssystem fur einen IP-Volldienst
Systeme de controle de communication entre terminaux pour un service integral IP

PATENT ASSIGNEE:

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Miyaguchi Research Co. Ltd., (3270800), 1-4-4, Sugano, Ichikawa-Shi, Chiba, (JP), (Applicant designated States: all)

INVENTOR:

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LEGAL REPRESENTATIVE:

Hirsch, Peter, Dipl.-Ing. (44461), Klunker Schmitt-Nilson Hirsch
Winzererstrasse 106, 80797 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1265445 A2 021211 (Basic)

APPLICATION (CC, No, Date): EP 2002012323 020604;

PRIORITY (CC, No, Date): JP 2001173822 010608; JP 200213663 020123; JP 2002107925 020410

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04Q-003/00; H04M-007/00

ABSTRACT EP 1265445 A2

The present invention relates to a terminal-to-terminal communication connection control method using an IP network characterized in that: in order for a mobile telephone set (141) to have a telephone communication with a fixed telephone set (142) by way of a mobile communication network (101) and an IP network (100), the mobile communication network (101) carries out a line connection control based on the common channel signaling system; the IP network (100) establishing a communication path by carrying out a line connection control applying a common channel signaling system to the IP network (100) thereby effecting a telephone communication.

ABSTRACT WORD COUNT: 100

NOTE:

Figure number on first page: 17

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 021211 A2 Published application without search report

Change: 030205 A2 Inventor information changed: 20021217

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200250	10621
SPEC A	(English)	200250	73755
Total word count - document A			84376
Total word count - document B			0
Total word count - documents A + B			84376

...SPECIFICATION invention;

Fig. 145 is a figure showing an IP packet to be transferred from a calling -sided radio base point to a network node unit., in Communication Case 2 of the...phone, in the eighth embodiment of the present invention;

Fig. 216 is a figure explaining another position change procedure of a mobile phone, in the eighth embodiment of the present invention;

Fig. 217...The line connection control protocol conforming to the

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common channel signaling system refers to a **call control** message, such as IAM, ACM, CPG, ANM, REL or RLC, shown in Embodiment 1 in...

...227. After establishing a TCP communication path Within the telephone management servers 227 and 228, **call control** messages of IAM, ACM, CPG, ANM, REL, RLC and the like are processed in the...

...228 back to the telephone management server 227(Step 210-2) Next, a series of **call control** messages IAM, ACM, CPG, ANM are communicated between the telephone management server 227 and the...

...is possible using an SIP procedure or H323 procedure. Completing the communication of multimedia data, **call control** messages REL, RLC are communicated between the telephone ...228 to the telephone management server 227(Step 218-2), to communicate a series of **call - control** messages of IAM, ACM, CPG and ANM for establishing a communication path based on a...

...telephone management server 228 back to the telephone management server 227(Step 218-6). Then, **call - control** messages REL and RLC for releasing the communication path based on the line connection control...

...releasing the new TCP communication path.

Detail explanation is made on another method for communicating **call control** messages IAM, ACM, CPG, ANM, REL and RLC for terminal-to-terminal communicating connection control...

18/5,K/2 (Item 2 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01083228

Dedicated bandwidth data communication switch backplane

Ruckwandverdrahtung mit zugeordneter Bandbreite für Datenvermittlung

Panneau arriere a largeur de bande specialise pour commutateur de donnees

PATENT ASSIGNEE:

Xylan Corporation, (2755840), 26679 W. Agoura Road, Calabasas, California 91302, (US), (Applicant designated States: all)

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Haywood, Christopher, 1429 Pleasant Oaks Place, Thousands Oaks, CA 91362, (US)

LEGAL REPRESENTATIVE:

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PATENT (CC, No, Kind, Date): EP 952702 A2 991027 (Basic)
EP 952702 A3 021030

APPLICATION (CC, No, Date): EP 99440076 990419;

PRIORITY (CC, No, Date): US 63493 980420; US 154966 980917

DESIGNATED STATES: DE; ES; FR; GB; IT

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04L-012/44; H04L-012/28; H04L-012/56;
G06F-013/40

ABSTRACT EP 952702 A2

A LAN switch has a backplane matrix in which each controller has a dedicated packet bus for propagating packet data. Each bus has a root interfacing with the transmitting (root) controller and a plurality of leaves interfacing with receiving (leaf) controllers. This configuration enables each controller to simultaneously transmit packet data on the root of a bus and receive packet data off a plurality of leaves of other buses without contention. An efficient filtering and stalling system employed at the receive side of the backplane prevents the highly

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parallel traffic from causing receive side congestion.
ABSTRACT WORD COUNT: 96

NOTE:

Figure number on first page: 5

LEGAL STATUS (Type, Pub Date, Kind, Text):

Change: 020327 A2 Legal representative(s) changed 20020205
Application: 991027 A2 Published application without search report
Examination: 030326 A2 Date of request for examination: 20030123
Change: 020828 A2 International Patent Classification changed:
20020710
Search Report: 021030 A3 Separate publication of the search report
Examination: 030416 A2 Date of dispatch of the first examination
report: 20030226

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9943	686
SPEC A	(English)	9943	5189
Total word count - document A			5875
Total word count - document B			0
Total word count - documents A + B			5875

...SPECIFICATION switches typically includes "local" switching between network devices on protocol domains interfacing with the same **switching controller** and "backplane" switching between **network** devices on protocol domains interfacing with **different switching controllers**. The backplanes used in LAN switch backplane switching have generally been configured as a packet...

...A conventional LAN switch backplane is illustrated in Figure 1. LAN switch backplane 10 includes **switching controllers** 110, 120, 130 and a management controller 140 taking turns transmitting packets over packet bus...

...off bus 150. Management controller 140 is the "nerve center" of the backplane which assists **switching controllers** 110, 120, 130 in learning information for use in **determining** whether **packets** are to be captured or filtered and communicates such information to **switching controllers** 110, 120, 130 on management bus 170. In such conventional backplanes, orderly transmission over the...

...example, packets transmitted across the packet bus often captured off the bus by only one **switching controller** and are filtered by others. However, due to its essential broadcast nature, all controllers must...

18/5,K/3 (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01030324

MOBILE ELECTRONIC COMMERCE SYSTEM
MOBILES ELEKTRONISCHES HANDELSSYSTEM
SYSTEME DE COMMERCE ELECTRONIQUE MOBILE
PATENT ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD, (216884), 1006, Oaza-Kadoma,
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INVENTOR:

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LEGAL REPRESENTATIVE:

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PATENT (CC, No, Kind, Date): EP 950968 A1 991020 (Basic)

August 21, 2003

WO 9909502 990225
APPLICATION (CC, No, Date): EP 98937807 980813; WO 98JP3608 980813
PRIORITY (CC, No, Date): JP 97230564 970813
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: G06F-017/60

ABSTRACT EP 950968 A1

The objective of the present invention is to provide a mobile electronic commerce system that is superior in safety and usability. The mobile electronic commerce system comprises an electronic wallet 100, supply sides 101, 102, 103, 104 and 105, and a service providing means 110 that is connected by communication means. The service providing means installs a program for an electronic ticket, an electronic payment card, or an electronic telephone card. The electronic wallet employs the installed card to obtain a product or a service or entrance permission. The settlement process is performed by the electronic wallet and the supply side via the communication means, and data obtained during the settlement process are managed by being transmitted to the service providing means at a specific time. A negotiable card can be easily obtained, and when the negotiable card is used the settlement process can be quickly and precisely performed.

ABSTRACT WORD COUNT: 150

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 990519 A1 International application (Art. 158(1))
Application: 991020 A1 Published application with search report
Examination: 991020 A1 Date of request for examination: 19990825

LANGUAGE (Publication, Procedural, Application): English; English; Japanese

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9942	17239
SPEC A	(English)	9942	160346
Total word count - document A			177585
Total word count - document B			0
Total word count - documents A + B			177585

...SPECIFICATION 607; function switch

308, 403, 507, 608: number key switch
309, 402, 509, 611: power **switch**
310, 609: microphone
311, 508, 612: execution switch
312, 613: headphone jack
313, 314, 315...

...serial cable

503: telephone handset
505: hook switch
511: cash register
512: payment card settlement **switch**
513: credit clearing switch
514: RS-232C cable
610: bar code reader

614: card slot...the mobile user terminal 100 communicates with the mobile user terminal 200 via the transmission **path** 116, the base station 112, the digital communication **line** 117, the **switching** center 105, the digital communication line 118, the digital public line network 111, the digital...transfer of the electronic ticket to user B.

The mobile user terminal of user B **examines** the received ticket transfer certificate 7406 and via digital wireless telephone communication transmits a ticket...

August 21, 2003

DIALOG(R) File 348:EUROPEAN PATENTS

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00741338

Connectionless communications system, test method, and intra-station control system

Verbindungsloses Kommunikationssystem, Testmethode und Intra-Station-Steuerungssystem

Système de communication sans connection, méthode de test et système de gestion intra-station

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 700229 A2 960306 (Basic)
EP 700229 A3 990203

APPLICATION (CC, No, Date): EP 95113111 950821;

PRIORITY (CC, No, Date): JP 94255120 940822

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04Q-011/04

ABSTRACT EP 700229 A2

The quality and performance of the connectionless communications system are improved. When a BOM is received, the destination address DA of the L3-PDU stored in the payload of the BOM is retrieved, and the tag information is obtained from the DA (S11). The output message identifier MID is reserved (S12), and the tag information and output MID are assigned to the BOM (S13). Then, the tag information and output MID are written to the table. When a COM is received, the tag information and output MID are retrieved using the MID of the COM as a key, and the information is provided for the COM (S31 and S32). When an EOM is received, the tag information and output MID are retrieved using the MID of the EOM as a key, and the information is provided for the EOM (S41 and S42). Then, the output MID is released (S43).

ABSTRACT WORD COUNT: 170

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 960306 A2 Published application (A1with Search Report
;A2without Search Report)
Change: 960605 A2 Rectifications of patent applications (change)
Search Report: 990203 A3 Separate publication of the European or
International search report
Examination: 990929 A2 Date of request for examination: 19990802

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	8491
SPEC A	(English)	EPAB96	164543
Total word count - document A			173034
Total word count - document B			0
Total word count - documents A + B			173034

...SPECIFICATION 3. Clock System

3.4 Inter-block Interface in ASSWSH-A

4. Detailed Function

5. Traffic Control

5.1. Cell Discard Class

5.2. Congestion Control

5.2.1. Congestion Control in...ATM subscriber switch (ASSW)

module. The ASSW module comprises a 10 Gbps (gigabit/second) ATM **switching** module having a redundant configuration; a duplex switch processor; various subscriber interfaces; and network interfaces...a virtual call identifier with each cell along with the necessary tags associated with cell **switching**. The card group also receives cells from the ATM fabric and reassembles them into a...The above described shelves serving subscriber and network interfaces can be connected to the ATM **switching** network with a single shelf connected to each of the 16 ports on the switch...and provides a link access procedure D-channel (LAPD) or a CCS7 signaling. The BSGC **controls** the communications between the BCPR and the broadband remote line concentrator (BRLC), and also controls...the DS1/DS3 interface unit
* Traffic shaping at the gateway message handler (GWMH)

3.7. Traffic Control

Traffic control is realized by the following mechanism.

- * Call acceptance control
- * Usage control
- * Priority in cell routing...

...assigning a tag indicating discard or violation of a declared value

- * SMDS: discarding In the **network** equipment (i.e. interface with **another switch** or BRSU/BRLC), the UPC is carried out for each VP (or VC) at the...Process for line faults

The DS3-SMDS interface monitors a line fault and notifies the **switching** system of a fault when generated. The fault notification is

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automatically followed by a notification...Figure 33 is a valid cell, then the DS3-SMDS interface 1 adds a network **control** information field (NCI) (refer to Figure 40) containing the values 11111111 11111111 11110000 00100010 to...15 minutes. The obtained result is read every 15 minutes for the switching system. The **switching** system holds 32 values sequentially obtained every 15 minutes per day (for 8 hours), and ...Unless the microprocessor specifies the priority control and quality control, the buffer autonomously start the **congestion** control.

(2) If the queue length is restored to threshold QA', then the buffer notifies...

...As a result, cells are concentrated in a specific transmission line in the ASSW, and **congestion** arises at the position marked with (filled circle) (Figure 146), thereby possibly causing a switch...the output of the LED terminal indicates a ground state.

Since the SIFCOM comprises 4 **packages** and each **package** is loaded with an OBP, a signal line connecting the LED output terminals of all...

...fault is described in 14.1.4. in part 2.

8.1.3.2. SIFCOM **Package** Missing Fault

This fault is detected by detecting the voltage release state of the monitor...

18/5,K/5 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00318603

Digital key telephone system

Digitales Tastengegensprechsystem

Systeme telephonique numerique a touches

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 331838 A2 890913 (Basic)
EP 331838 A3 900530
EP 331838 B1 930310

APPLICATION (CC, No, Date): EP 88310693 881111;

PRIORITY (CC, No, Date): US 166345 880310

DESIGNATED STATES: AT; BE; DE; ES; FR; GB; IT; NL; SE

INTERNATIONAL PATENT CLASS: H04M-009/00

CITED PATENTS (EP A): WO 8501855 A; US 4363936 A; US 4292474 A; GB 2047048 A

ABSTRACT EP 331838 A2

August 21, 2003

A key telephone system includes a plurality of ports being linked by port associated bidirectional communication channels which are synchronously switched by transferring bit states between ones of the channels to provide communication paths between the ports as directed by a central processor (7). The ports are also linkable to and via the central processor (7) by port associated message channels. An interface circuit (8) is responsive to the central processor and message channel signals for regulating flow of messages received by the central processor and for effecting single and plural channel distribution of messages from the central processor (7). The message channels permit telephony operating features and functions to be provided either within the central processor or by appropriate apparatus means being connected at any of the ports.

ABSTRACT WORD COUNT: 133

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 890913 A2 Published application (A1with Search Report
;A2without Search Report)
Search Report: 900530 A3 Separate publication of the European or
International search report
Examination: 900816 A2 Date of filing of request for examination:
900612
Change: 910918 A2 Representative (change)
Examination: 911113 A2 Date of despatch of first examination report:
910927
*Assignee: 921007 A2 Applicant (transfer of rights) (change):
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(applicant designated states:
AT;BE;DE;ES;FR;GB;IT;NL;SE)
Grant: 930310 B1 Granted patent
Oppn: 940209 B1 Opposition 01/931210 Alcatel N.V.;
Strawinskykaan 341; NL-1077 XX AMSTERDAM; (NL)
(Representative:)Graf, Georg Hugo, Dipl.-Ing.;
Alcatel SEL AG Patent- und Lizenzwesen Postfach
30 09 29; D-70449 Stuttgart; (DE)
Change: 940309 B1 Representative (change)
Change: 940803 B1 Representative (change)
Lapse: 941207 B1 Date of lapse of the European patent in a
Contracting State: BE 931130
Lapse: 950222 B1 Date of lapse of the European patent in a
Contracting State: BE 931130, FR 940729
Lapse: 950308 B1 Date of lapse of the European patent in a
Contracting State: BE 931130, FR 940729, NL
940601

Amended: 960612 B2 Maintenance of the European patent as amended

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPAB96	1011
CLAIMS B	(German)	EPAB96	831
CLAIMS B	(French)	EPAB96	1115
SPEC B	(English)	EPAB96	9170
Total word count - document A			0
Total word count - document B			12127
Total word count - documents A + B			12127

...SPECIFICATION via software elements, namely a network controller 42 and a data base manager 43. The **common equipment** 41 is in effect representative of a hardware interface with the buses 10 and 20...

...channel occurrence which corresponds to a STIMULUS set for which the STIMULUS message is destined.

Flow control of FUNCTIONAL and STIMULUS messages is discussed from

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a hardware viewpoint after the following discussion...

...switch module 100 with reference to figures 4-10.

In order that each of one or more circuit switch modules 100 be able to transfer information from the serial TDM paths 11...registers 502, 501 and 503 is clocked by signal pulses S1, S2 and S3. The control signals V2 and V3 are shown in broken line to indicate that these signal pulses...

...11 and 21. The receive multiplexor selection is in response to a MUX SEL OUTGOING control signal shown in figure 6. The outgoing bits are timed by the rising edge of...

18/5,K/6 (Item 6 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00298879

Star topology local area network.

Lokales Netzwerk mit Sterntopologie.

Reseau local a topologie en etoile.

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 308890 A2 890329 (Basic)

EP 308890 A3 900926

EP 308890 B1 940202

APPLICATION (CC, No, Date): EP 88115469 880921;

PRIORITY (CC, No, Date): JP 87239522 870922; JP 87248349 870930; JP 87276390 871030

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04L-012/28;

CITED PATENTS (EP A): EP 156580 A; WO 8603090 A; US 4550402 A

CITED REFERENCES (EP A):

Proceedings of the International Switching Symposium, May 7-11, 1984, Florence, Italy SESSION 24 A PAPER 4 PAGE 1-7 NORTH-HOLLAND Amsterdam, NL
J.-P.Behr et al.: "ARCHITECTURE AND PERFORMANCE EVALUATION OF A SERVICE-INTEGRATED OFFICE COMMUNICATION SYSTEM";

ABSTRACT EP 308890 A2

A star topology local area network comprises a data bus (4), a receive-not-ready bus (5), a plurality of bus access units (2) associated respectively with user terminals (1) for receiving a request therefrom, and an arbiter for assigning priority to one of the bus access units when requests for transmission occur simultaneously. Each of the bus access units comprises a transmit buffer (9) for storing a packet from the associated user terminal and forwarding it to the data bus when priority is assigned to it and a receive buffer (8) for storing a packet from the data bus and forwarding it to the associated user terminal. An address filter (7) is provided in each bus access unit to detect a packet addressed to it and applies a receive-not-ready signal to the receive-not-ready bus when the receive buffer has an insufficient capacity to receive the detected packet. A bus access controller (10) is connected to the receive-not-ready bus for terminating the transmission

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of a packet in response to the receive-not-ready signal. The storage capacity of the transmit buffer is also monitored and a proceed-to-send signal is transmitted from the bus access unit to the associated user terminal indicating the permission of transmission when the detected storage capacity is sufficient to receive a packet from the terminal.

ABSTRACT WORD COUNT: 219

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 890329 A2 Published application (Alwith Search Report
;A2without Search Report)
Examination: 890329 A2 Date of filing of request for examination:
880921
Search Report: 900926 A3 Separate publication of the European or
International search report
Examination: 921028 A2 Date of despatch of first examination report:
920910
Grant: 940202 B1 Granted patent
Lapse: 950125 B1 Date of lapse of the European patent in a
Contracting State: FR 940624
Oppn None: 950125 B1 No opposition filed

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	3144
CLAIMS B	(German)	EPBBF1	2689
CLAIMS B	(French)	EPBBF1	3454
SPEC B	(English)	EPBBF1	7405
Total word count - document A			0
Total word count - document B			16692
Total word count - documents A + B			16692

...SPECIFICATION an address filter, or otherwise connected through a distributor which identifies the destination.

A further **advantage** of the present invention is that it allows a circuit **switching** system to share the data bus of the local area network so that packet- and...

...user terminals are connected to line circuits which are in turn connected to a circuit **switching controller** which defines time slots on the data bus and controls the line circuits to transmit their signals on the defined time slots. Idle time slots on the **data bus** are detected to activate the bus access units of the local area network to allow packets to be multiplexed into the detected idle time slot. According to **another** integrated system, each of the user **terminals** of the local area network is further connected to a line circuit of the circuit switching system through a multiplexer and a demultiplexer.

A circuit **switching controller** defines time slots on the data bus and controls the line circuits to transmit circuit...

18/5,K/7 (Item 7 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00270181

Distributed packet switching system.

Verteiltes Paketvermittlungssystem.

Systeme de commutation a paquets distribue.

PATENT ASSIGNEE:

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August 21, 2003

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PATENT (CC, No, Kind, Date): EP 259117 A2 880309 (Basic)
EP 259117 A3 900124
EP 259117 B1 940126

APPLICATION (CC, No, Date): EP 87307643 870828;

PRIORITY (CC, No, Date): US 904962 860905

DESIGNATED STATES: BE; DE; FR; GB; IT; NL; SE

INTERNATIONAL PATENT CLASS: H04L-012/54; H04L-012/58; H04Q-011/04;

CITED PATENTS (EP A): WO 8400266 A; WO 8400266 A; WO 8505237 A; WO 8602510
A; DE 3331600 A; WO 8300270 A

CITED REFERENCES (EP A):

ELECTRICAL COMMUNICATION, vol. 59, no. 1/2, 1985, pages 112-119, ITT
Corp., Harlow, GB; A. CHALET et al.: "Data module architecture
including packet operation"

FUJITSU SCIENTIFIC & TECHNICAL JOURNAL, vol. 22, no. 4, September 1986,
pages 227-239, Kawasaki, JP; Y. NAGAHAMA et al.: "Enhancement of
FETEX-150 and ISDN application";

ABSTRACT EP 259117 A2

A switching system (10) including a number of switching modules (1000,
1020, 1050) each having a plurality of access ports (P6, P7, P27 P56).
Incoming and outgoing packet channels (81, 82) are extended between each
switching module and an inter-module packet switch (2012). Each switching
module includes a packet switching unit (1400) that transmits user
information packets, received from the access ports, via the incoming
packet channel to the inter-module packet switch, and switches user
information packets, received via the outgoing packet channel from the
inter-module packet switch, to the access ports for inter-module
packet-switched communication. The inter-module packet switch
concurrently packet switches user information packets, received on a
number of the incoming packet channels, via multiple independent paths
(2001, 2002, 2003) to a number of the outgoing packet channels.

ABSTRACT WORD COUNT: 134

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 880309 A2 Published application (A1with Search Report
;A2without Search Report)
Search Report: 900124 A3 Separate publication of the European or
International search report
Examination: 900905 A2 Date of filing of request for examination:
900705
Examination: 920819 A2 Date of despatch of first examination report:
920706
Grant: 940126 B1 Granted patent
*Assignee: 940622 B1 Proprietor of the patent (name, address)
(change)
Oppn None: 950118 B1 No opposition filed

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	740
CLAIMS B	(German)	EPBBF1	588

August 21, 2003

CLAIMS B	(French)	EPBBF1	938
SPEC B	(English)	EPBBF1	12369
Total word count - document A			0
Total word count - document B			14635
Total word count - documents A + B			14635

...SPECIFICATION for virtual PBX group voice communication, the principles apply to the communication of data, image or other types of information as well.

Alternative Embodiment

An **alternative** embodiment of **switching** system 10 is **obtained** by substituting switching modules of the type illustrated by switching module 1000' (FIG. 20) for...

...that packet switching unit 1400' is substituted for packet switching unit 1400 and a packet **network controller** 1350 is added between processor interface 1300 and packet switching unit 1400'. Packet switching unit...

...comprises switching elements 502-0 through 502-15. Transmission through the network is from left to right. Each switching **element** is a **packet switch**. Each switching element has four inputs and is capable of buffering one packet on...

...element. After receipt of a packet on an input terminal, the address contained in that **packet** is used to **determine** which output terminal should be used to retransmit the packet. Only the two most significant...

18/5,K/8 (Item 8 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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00236411

Packet-switched communications network with parallel virtual circuits for re-routing message packets.

Paketvermitteltes Fernmeldenetz mit parallelen virtuellen Verbindungen zur Umweglenkung von Nachrichtenpaketen.

Reseau de telecommunication en mode paquet avec des connexions vituelles paralleles pour le reroutage de paquets de message.

PATENT ASSIGNEE:

NEC CORPORATION, (236690), 7-1, Shiba 5-chome Minato-ku, Tokyo 108-01, (JP), (applicant designated states: DE;FR;GB)

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PATENT (CC, No, Kind, Date): EP 234191 A2 870902 (Basic)
EP 234191 A3 890531
EP 234191 B1 931229

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PRIORITY (CC, No, Date): JP 862442 860109; JP 8685184 860415

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04L-012/56;

CITED PATENTS (EP A): GB 2035755.A

CITED REFERENCES (EP A):

PATENT ABSTRATCS OF JAPAN, vol. 9, no. 4 (E-288) 1727, 10th January 1985; & JP-A-59 152 755 (FUJITSU K.K.) 31-08-1984

PATENT ABSTRACTS OF JAPAN, vol. 9, no. 47 (E-299) 1770, 27th February 1985; & JP-A-59 186 447 (HITACHI SEISAKUSHO K.K.) 23-10-1984

PATENT ABSTRACTS OF JAPAN, vol. 9, no. 201 (E-336) 1924, 17th August 1985; & JP-A-60 65 644 (NIPPON DENSHIN DENWA KOSHA) 15-04-1985

PROCEEDINGS OF THE FIFTH INTERNATIONAL CONFERENCE ON COMPUTER COMMUNICATION, Atlanta, 27th-30th October 1980, pages 90-95; K.

August 21, 2003

MARUYAMA et al.: "On the generation of explicit routing tables";

ABSTRACT EP 234191 A2

In a packet-switched communications network, each of a plurality of terminals (PT10, PT11, PT12, PT18) sequentially transmits control packets in response to a request for call before sequentially transmitting message packets. A switching node (PS13 to PS17) of the network is responsive to the control packets for establishing first and second logical channels through the network. Message packets are propagated through the first logical channel. The established logical channels are monitored to detect an abnormal condition. In the event of an abnormal condition in the first logical channel the message packets are re-routed to the second logical channel.

ABSTRACT WORD COUNT: 99

LEGAL STATUS (Type, Pub Date, Kind, Text):

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;A2without Search Report)

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870627

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FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	2318
CLAIMS B	(German)	EPBBF1	1465
CLAIMS B	(French)	EPBBF1	1960
SPEC B	(English)	EPBBF1	5120
Total word count - document A			0
Total word count - document B			10863
Total word count - documents A + B			10863

...SPECIFICATION circuits, or logical channels, in parallel between source and destination terminals in response to a **call - setup** packet received from a source terminal to allow it to send message packets through one...

...of the established channels in the event of a trouble or traffic overflow.

The packet- **switched communications** network comprises a plurality of terminals each being capable of sequentially transmitting control **packets** in response to a request for a call before sequentially transmitting message packets, and a plurality of **switching** nodes which are associated with the terminals.

Each switching node is responsive to the control packets for establishing first and second logical channels from a source terminal to a destination terminal and...packet through a transmission line or it sends a packet to a transmission line. A **control** packet is transferred from an incoming line controller through a control bus 6 to the...7. For purposes of illustration, line controllers 2 are assumed to be those of the **switching** node PS13 and are identified with **different line** numbers #0, #1 and #2 which are associated with transmission lines extending to switching nodes...

...11 directs the call-request packet to the central processor 1 through a receive buffer **14** and **bus** interface 15 on data bus 5 to cause it to determine the number of transmission...

...terminal to insert a selected one of the received incoming logical channel numbers to message **packets** that follow. During **the** period following a call setup phase, message packets are transmitted from the source terminal and...

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18/5,K/9 (Item 9 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00224496

Architecture for distributed control telecommunication switching systems.
Architektur von Nachrichtenvermittlungssystemen mit verteilter Steuerung.
Architecture pour centraux de telecommunication a commande distribuee.

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PATENT (CC, No, Kind, Date): EP 228204 A2 870708 (Basic)
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EP 228204 B1 930602

APPLICATION (CC, No, Date): EP 86309524 861208;

PRIORITY (CC, No, Date): US 810069 851217

DESIGNATED STATES: BE; CH; DE; FR; GB; IT; LI; NL; SE

INTERNATIONAL PATENT CLASS: H04Q-011/04;

CITED PATENTS (EP A): EP 195587 A

CITED REFERENCES (EP A):

ISS 1979, 7-11th May 1979, Session 13B, paper 3, pages 1419-1425; A.
MOHOR et al: "Modular electronic switching system for small and medium
size offices"

ISS'84 FLORENCE, Part 1, 7-11th May 1984, Session 14 B, paper 5, pages
1-5, Amsterdam, NL: A. BOVO et al.: "UT100/60 - An electronic digital
family of exchanges for large capacity applications"

IDEM;

ABSTRACT EP 228204 A2

In a distributed processing telecommunication switching system
comprising a plurality of switching modules, the individual modules
control substantially all telephone call control processing actions,
including the selection of an available port of a multiport hunt group,
without requiring the assistance of a central processor. Each module
includes a processor, a plurality of ports connected to customer lines
and interoffice trunks, a plurality of outlets for setting up intermodule
connections, and a switching network for interconnecting ports and
outlets within a module. The module processors communicate with each
other by a high speed common data communication facility connected to all
processors. This data communication facility is used for communicating
intermodule call control messages and port availability data to allow
port hunts to be accomplished without using a central processor.

ABSTRACT WORD COUNT: 132

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891129
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Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1896
CLAIMS B	(German)	EPBBF1	870
CLAIMS B	(French)	EPBBF1	1272
SPEC B	(English)	EPBBF1	8867
Total word count - document A			0
Total word count - document B			12905
Total word count - documents A + B			12905

...SPECIFICATION 62, No. 1, Part 2, January 1983, pp. 303-322. Among the functions executed under **the control** of an operating system are those of transmitting messages, receiving messages, and associating received messages...

...of the operating systems of the sending and receiving processors. Each packet includes its own **process identification** and, if known, the identification of the process executing in the other processor with which ...

...provide the flexible type of first choice and alternate routing available in present day telecommunication **switches** such as the 4ESS(sup(TM) switch manufactured by AT&T Technologies, ...may be selected according to the traffic conditions existing at a particular time. In some **cases**, the **alternate routing** can be further **modified** by input from the traffic supervisor so that the system may respond properly to emergency...

18/5,K/10 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01009054 **Image available**

**DATA STRUCTURE, METHOD, AND SYSTEM FOR MULTIMEDIA COMMUNICATIONS
STRUCTURE DE DONNEES, PROCEDE ET SYSTEME DE COMMUNICATIONS MULTIMEDIA**

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RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
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(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
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Detailed Description

Claims

Fulltext Word Count: 78697

English Abstract

The invention is based on a highly efficient protocol for the delivery of high-quality multimedia communication services, such as video multicasting, video on demand, real-time interactive video telephony, and high-fidelity audio conferencing over a packet-switched network. The invention addresses the silicon bottleneck problem and enables high-quality multimedia services to be widely used. The invention can be expressed in a variety of ways, including methods, systems, and data structures. One aspect of the invention involves a method in which a packet (10) of multimedia data is forwarded through a plurality of logical links in a packet-switched network using a datagram address contained in the packet (i.e., datagram address-based routing). The datagram address operates as both a data link layer address and a network layer address.

French Abstract

La presente invention est fondee sur un protocole hautement efficace de prestation de services de communications multimedia de haute qualite, tels que la multi-diffusion video, la video a la demande, la visiophonie interactive en temps reel et la visioconference haute fidelite sur un reseau a commutation par paquets. L'invention permet de resoudre le probleme de goulot d'etranglement de silicium et permet une large utilisation des services multimedia de haute qualite. L'invention concerne divers aspects, notamment des procedes, des systemes et des structures de donnees. Un aspect de l'invention concerne un procede dans lequel un paquet (10) de donnees multimedia est envoye a travers une pluralite de liaisons logiques dans un reseau a commutation par paquets utilisant une adresse de datagramme contenue dans le paquet (c'est-a-dire, acheminement base sur l'adresse de datagramme). L'adresse de datagramme fonctionne comme une adresse de couche liaison de donnees et comme une adresse de couche reseau.

Legal Status (Type, Date, Text)

Publication 20030508 A1 With international search report.

Examination 20030710 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:.

Detailed Description

Detailed Description

... packets.

Figure 25 is a flow chart illustrating one process that an exemplary partial address **routing** unit in an edge **switch** follows to process exemplary MediaNet Protocol multipoint-communication. packets.

Figure 26a is a diagram illustrating...illustrating exemplary call setup and call communication stages of one media multicast session among a **calling** party, called party 1, and called party 2 that depend on a single service gateway...a device that forwards packets at the network layer. In some contexts, routing refers to **determining** the **packet**'s transmission path or some portion thereof (e.g., the next hop). frame See packet...to each other directly.

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packet A small block of data used for transmission in a **packet** - switched network.

A **packet** includes a header and a payload. For the technologies disclosed and claimed herein, the term...generally refers to a single apparatus that can process both MP packets and non-MP **packets**, such as IP **packets**.

top-down logical links Top-down logical links are logical links that a data packet...In addition, if the packet is unchanged, there is no need to recalculate the MP **packet checksum**.

The same type of processing that occurred at Service Gateway 1 40 is repeated at...in exemplary ACN 1085 and ACN 1190 in MP metro network 1000 include, without limitation, **examining**, switching, and transmitting **packets** towards appropriate destinations. In addition to the connections to SGWs, the Nas in ACNs can...1 5 5000. MP packet 5000 includes preamble 5060, start of packet delimiter 5070, and **packet check** sequence ("PCS") 5080. Preamble 5060 contains a specific bit pattern that allows the clock of...different length (i.e., more or less than the 4-bit length) and/or different **location** in an MP **packet** without exceeding the scope of the disclosed network addressing scheme.

In some types of multipoint...9270 can have a different length (e.g., include reserved subfield 9260) and/or different **location** in an MP **packet** without exceeding the scope of the disclosed network addressing scheme.

Although several network address formats...to the status query packet back to server group 10010. In one implementation, the response **packet** contains some **identification** information of the component. The identification information can be a hardware ID, a user name...on the network address of the calling party, which is retrieved from the service request **packet**, server group 10010 **identifies** SGW 11 60@ MX 11 80@ HGW 1200, and UT 1420 along the bottom-up is also retrieved from the service request **packet**, server group 10010 **identifies** SGW 1060, AIX 1080, HGW 1 1 00 and UT 1320 along the top-down...detail above, color filter 19000 derives these color-filter-issued commands from a number of **recognized** colored MP **packets** and sends the commands to PARU 23000 via logical link 19070. Color filter 19000 also...to PARU 23000 via logical link 19040 and to delay element 19010. Some of the **recognized** colored MP **packets** are described in the MP Color Table in the Logical Layer section above.

The network...the derived "78" partial address information and session number "2" from the MB-maintain-colored **packet**, LTC 23010 would find a match in entry 26020 of mapping table 26000. Because the corresponding mapped session number...27030 occurs, controller x 27040 polls each buffer that it manages. If controller x 27040 **detects packets** in any of the buffers, such as buffer c and buffer e in the current...such as gateway 10020 in SGW 1160 (Figure 10). Gateway 10020 includes interface D 28000, **packet detector** 28010, address translator 28020, encapsulator 28030 and decapsulator 28040. Interface D 28000 provides signal conversion...

...28000 in one embodiment of gateway 10020 converts between fiber optic signals and electronic signals.

Packet detector 28010 **determines** the type of an incoming packet and retrieves relevant information from the packet for constructing an MP packet. For instance, if an incoming packet is an IP **packet**, **packet detector** 28010 is responsible for **recognizing** the IP **packet** format and obtaining information such as source address information and destination address information from the IP **packet**. Then **packet**

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detector 28010 passes these obtained addresses to address translator 28020.

Address translator 28020 is responsible for...

...As an illustration, if an incoming IP packet is for UT 1420 (Figure 1d), after **packet detector** 28010 retrieves and passes on the 32-bit destination address from the IP packet, address...embodiment of decapsulator 28040 receives a packet, it verifies whether the packet is an MP **packet** by **checking** a particular bit (i.e., MP bit subfield 6080) in DA field 5010 (Figure 5...the general color subfield to identify a recognized service.

in this illustration, color filter 33000 **recognizes** the following colored **packets** from interface F 32000: unicast-setup-colored, unicast-data-colored, MB-setup-colored, MB-data...As discussed in detail above, color filter 33000 derives these commands from a number of **recognized** colored MP **packets** and sends the commands to PARU 35000 via logical link 33040. Color filter 33000 also...

...to PARU 35000 via logical link 33050 and to delay element 33010. Some of the **recognized** colored MP **packets** are described in the MP Color Table in the Logical Layer section above.

The network...38020 occurs, controller x 38030 polls each buffer that it manages. If controller x 38030 **detects packets** in any of the buffers, such as buffer a in the current example, it forwards...network.

One embodiment of ULPF 32040 applies a set of entry criteria to a received **packet** by **checking** whether the received **packet** contains permissible source address, destination address, traffic flow and data content. Based on the results...packet matches the network address bound to port 1170 as shown in Figure 1d. These **checks** ensure that the **packet** ULPF 32040 receives originates from an authorized component and comes through an ...a matching DA, ULPF 32040 proceeds to the next check. Otherwise, ULPF 32040 discards the **packet**.

This **check** ensures that the intended destination is an authorized network address.

In other words, in conjunction...packet length of the packet from LEN field 5030 as shown in Figure 5 and **determines** whether the **packet** length exceeds the permissible packet length in block 41010. If the length of packet is...for the configuration shown in Figure 42a, if one embodiment of switching core 44010 **determines** that a **packet** that it receives is not for master UX 42010 to forward to its directly connected ...shown in Figure 42b, if switching core 44010 receives a packet from an MX and **recognizes** that the received **packet** is not for master UX 42010 to forward to its directly connected UTs (e.g...from a UT directly connected to master UX 42010 (e.g., UT D 42090) and **recognizes** that the received **packet** is not destined for another directly connected UT (e.g., UT L 4221 0) but...

...element 42190. If switching core 44010 receives a packet from common bus element 42190 and **recognizes** that the received **packet** is not for master UX 42010 ...UT D 42090 to perform the aforementioned tasks on its behalf.

If master UX 42010 **determines** that the received **packet** is neither for any of the UTs that it directly manages nor any of the...Using slave UX B 42030 in Figure 42a as an illustration, if its switching core **determines** that a **packet** from slave UX C 42040 is not for slave UX B 42030 to forward to...when switching core 44010 receives a packet from one of the designated upstreaming ports, it **recognizes** that the **packet** is an

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upstreaming packet. Otherwise, switching core 44010 **recognizes** that the **packet** is a downstreaming packet. It will be apparent to a person of ordinary skill in...7", respectively. Because the content in UT subfield 9090 of the DA of packet-from-NIX is "W", switching core 44010 **recognizes** that the **packet** is not for any of the UTs that master UX 42010 directly manages (i.e...packet on common bus element 42190. Switching core 44010 and switching cores of slave UXs **examine packets** from common bus element 42190. The switching core that directly manages the UT with a... UXs in HGW 42000 receives a packet from a UT ("packet-from-UP), the UX **determines** whether **packet** -from - UT is for a UT that the LTX directly manages in block 46000 (Figure...

...UX C 42040 receives packet-from -UT from UT J 42180, slave UX C 42040 **checks** whether the **packet** is for either UT H 42160 or UT I 42170. Slave UX C 42040 then...of Figure 42b). However, if the receiving UX is master UX 42010, master UX 42010 **checks** whether **packet** -from-UT is for any of the UTs that HGW 42000 1 0 supports in...47020 examines MP subfield 9030 of the network address in DA field 5010 of the **packet** to **determine** whether the **packet** is an MP packet or contains a non-MP packet in its payload field 5050...engine 48010. Analogous to the above discussion on teleputer 47000, one embodiment of splitter 48060 **determines** whether **packet** -for-teleputer is an MP packet or contains a non-MP packet in its payload...network address in DA field 5010 of a packet that MP-STB 47020 receives to **determine** whether the **packet** is an MP packet or is an MP-encapsulated packet that contains a non-MP packet in its payload field 5050. PC 47010 may use the **analyses** of **packet** analyzer 49010 to process the packets from MP-STB 47020. For example, PC 47010 may...the top-down logical links..

2. Similarly, the ULPF of called party MX performs ULPF **checks** on the data **packets** of data 53070 from the called party. For data packets being sent from the called...the EX in SGW 1060.

2. Similarly, the ULPF of called party MX performs ULPF **checks** on the data **packets** of data 54150 from the called party. For data packets being sent from the call...MM server system sends the calling party MM confirm 64070, which is an MP control **packet** that **confirms** the removal of called party 2 from the MM session. MM confirm 64070 also

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DIALOG(R)File 349:PCT FULLTEXT
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00993155 **Image available**

NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME

NOUVELLES PROTEINES ET ACIDES NUCLEIQUES CODANT CES PROTEINES

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200323001 A2 20030320 (WO 0323001)
Application: WO 2002US28538 20020909 (PCT/WO US0228538)
Priority Application: US 2001318120 20010907; US 2001318184 20010907; US
2001318430 20010910; US 2001322636 20010917; US 2001322817 20010917; US
2001322816 20010917; US 2001322781 20010917; US 2001323519 20010919; US
2001323631 20010920; US 2001323636 20010920; US 2001324969 20010925; US
2001325091 20010925; US 2001324990 20010926; US 2001341144 20011214; US
2002359599 20020226; US 2002361663 20020305; US 2002377908 20020503; US
2002381483 20020517; US 2002383863 20020529; US 2002393332 20020702; US
2002396412 20020717; US 2002403517 20020813; US 2002236417 20020906

Parent Application/Grant:

Related by Continuation to: US 2001318120 20010907 (CIP); US 2001318430
20010910 (CIP); US 2001322781 20010917 (CIP); US 2001318184 20010907
(CIP); US 2002361663 20020305 (CIP); US 2002396412 20020717 (CIP); US
2001322636 20010917 (CIP); US 2001322817 20010917 (CIP); US 2001322816
20010917 (CIP); US 2001323519 20010919 (CIP); US 2001323631 20010920
(CIP); US 2002377908 20020503 (CIP); US 2002381483 20020517 (CIP); US
2001323636 20010920 (CIP); US 2001324969 20010925 (CIP); US 2002383863
20020529 (CIP); US 2001325091 20010925 (CIP); US 2001324990 20010926
(CIP); US 2001341144 20011214 (CIP); US 2002359599 20020226 (CIP); US
2002393332 20020702 (CIP); US 2002403517 20020813 (CIP); US NONE
20020906 (CIP)

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO
RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: C12N

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 142275

English Abstract

The present invention provides novel isolated polynucleotides and small molecule target polypeptides encoded by the polynucleotides. Antibodies that immunospecifically bind to a novel small molecule target polypeptide or any derivative, variant, mutant or fragment of that polypeptide, polynucleotide or antibody are disclosed as are methods in which the small molecule target polypeptide, polynucleotide and antibody are

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utilized in the detection and treatment of a broad range of pathological states. More specifically, the present invention discloses methods of using recombinantly expressed and/or endogenously expressed proteins in various screening procedures for the purpose of identifying therapeutic antibodies and therapeutic small molecules associated with diseases. The invention further discloses therapeutic, diagnostic and research methods for diagnosis, treatment, and prevention of disorders involving any one of these novel human nucleic acids and proteins.

French Abstract

L'invention concerne de nouveaux polynucleotides isoles et des polypeptides cibles de petites molecules codes par ces polynucleotides. L'invention concerne egalement des anticorps qui se fixent de maniere immunospecifique sur un nouveau polypeptide cible de petite molecule ou sur tout derive, variant, mutant ou fragment dudit polypeptide, polynucleotide ou anticorps, ainsi que des methodes utilisant lesdits polypeptide cible de petite molecule, polynucleotide et anticorps dans la detection et le traitement d'un large eventail d'etats pathologiques. L'invention concerne plus particulierement des methodes utilisant des proteines exprimees par recombinaison et/ou de maniere endogene, dans divers procedes de criblage servant a identifier des anticorps therapeutiques et des petites molecules therapeutiques associes a ces maladies. L'invention concerne enfin des methodes therapeutiques et diagnostiques et des methodes de recherche permettant le diagnostic, le traitement et la prevention de troubles impliquant un de ces nouveaux acides nucleiques ou proteines humaines.

Legal Status (Type, Date, Text)

Publication 20030320 A2 Without international search report and to be republished upon receipt of that report.

Fulltext Availability:

Detailed Description

Detailed Description

... and I 10 wherein any amino acid specified in the chos'e'n'sequence is **changed** to a **different** amino acid, provided that no more than 15% of the amino acid residues in the...I 10 wherein any amino acid in the mature form of the chosen sequence is **changed** to a **different** amino acid, provided that no more than 15% of the amino acid residues in the... suggest that the siRNAs/protein complex (siRNP) is then transferred to a second enzyme complex, **called** an RNA-induced silencing complex (RISC), which contains an endoribonuclease that is distinct

18/5,K/12 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00933152 **Image available**

EXTENDED WEB ENABLED MULTI-FEATURED BUSINESS TO BUSINESS COMPUTER SYSTEM
FOR RENTAL VEHICLE SERVICES

SYSTEME INFORMATIQUE ETENDU ENTRE ENTREPRISES, A FONCTIONS MULTIPLES,
FONCTIONNANT SUR LE WEB, POUR DES SERVICES DE LOCATION DE VEHICULES

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August 21, 2003

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200267175 A2 20020829 (WO 0267175)
Application: WO 2001US51437 20011019 (PCT/WO US0151437)
Priority Application: US 2000694050 20001020

Parent Application/Grant:

Related by Continuation to: US 2000694050 20001020 (CIP)

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU
SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

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Detailed Description

Claims

Fulltext Word Count: 243912

English Abstract

French Abstract

Legal Status (Type, Date, Text)

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Declaration 20021114 Late publication under Article 17.2a

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abstract; title not checked by the International
Searching Authority.

Examination 20030530 Request for preliminary examination prior to end of
19th month from priority date

Fulltext Availability:

Detailed Description

Detailed Description

... active the have processed a shutdown request.

It is submitted from the CLL810 ARMS Start- Up program with the
followin(
?ut parameter fields.

5 Alpha TRADING PARTNER/VAN PROFILE ID.
Confidential...

18/5,K/13 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

August 21, 2003

00909145 **Image available**

**PLANAR LASER ILLUMINATION AND IMAGING (PLIIM) SYSTEMS WITH INTEGRATED
DESPECKLING MECHANISMS PROVIDED THEREIN
SYSTEMES PLIIM D'ILLUMINATION ET D'IMAGERIE AU LASER PLANAIRE A MECANISME
DE DECHATOIEMENT INTEGRE**

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August 21, 2003

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200243195 A2-A3 20020530 (WO 0243195)

Application: WO 2001US44011 20011121 (PCT/WO US0144011)

Priority Application: US 2000721885 20001124; US 2001780027 20010209; US
2001781665 20010212; US 2001883130 20010615; US 2001954477 20010917; US
2001999687 20011031

Parent Application/Grant:

Related by Continuation to: US 2001954477 20010917 (CIP)

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD

SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

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Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 298301

English Abstract

Methods of and systems for illuminating objects using planar laser illumination beams having substantially planar spatial distribution characteristics that extend through the field of view (FOV) of image formation and detection modules employed in such systems. Each planar laser illumination beam is produced from a planar laser illumination beam array (PLIA) comprising a plurality of planar laser illumination modules (PLIMs). Each PLIM comprises a visible laser diode (VLD), a focusing lens, and a cylindrical optical element arranged therewith. The individual planar laser illumination beam components produced from each PLIM are optically combined to produce a composite substantially planar illumination beam having substantially uniform power density characteristics over the entire spatial extend thereof and thus the working range of the system. Preferably, each planar laser illumination beam component is focused so that the minimum beam width thereof occurs at a point or plane which is the farthest or maximum object distance at which the system is designed to acquire images.

French Abstract

La presente invention concerne des procedes et systemes d'illumination d'objets au moyen de faisceaux d'illumination laser planaire presentant des caracteristiques de distribution spatiale sensiblement planaire qui couvrent le champ d'observation de formation d'image et de modules de detection employes dans de tels systemes. Chaque faisceau d'illumination laser planaire est produit a partir d'une matrice de faisceaux d'illumination laser planaire (PLIA) comprenant une pluralite de modules PLIM d'illumination par faisceau laser. Chaque PLIM est constitue d'une diode laser visible (VLD), d'une lentille de focalisation, et d'un element optique cylindrique monte en consequence. Chacun des composants du faisceau d'illumination laser planaire produit a partir de chacun des PLIM est soumis a une combinaison optique de facon a produire un faisceau d'illumination laser composite sensiblement planaire aux caracteristiques de densite de puissance sensiblement uniformes sur la totalite de son etendue spatiale, et donc sur la plage operationnelle du systeme. De preference, chaque composant du faisceau d'illumination laser planaire est focalise de facon a n'avoir qu'un minimum de largeur du faisceau au point ou sur le plan qui est a la plus grande distance de l'objet a

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laquelle le systeme est concu pour l'acquisition d'images, ce qui compense la perte de densite de puissance du faisceau incident d'illumination laser planaire en raison du fait que la largeur du faisceau d'illumination laser planaire augmente en longueur de facon a augmenter la distance par rapport a l'optique d'imagerie. Grace a la presente invention, il est maintenant possible d'utiliser des detecteurs image de type VLD et a cellule CCD grande vitesse dans des applications a bande transporteuse, douchette ou sous-table, tout en tirant profit des avantages que procure une telle technologie, tout en evitant les inconvenients qui s'y rattachaient jusqu'alors.

Legal Status (Type, Date, Text)

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Search Rpt 20030327 Late publication of international search report

Republication 20030327 A3 With international search report.

Fulltext Availability:

Claims

Claim

... and fixed focal length/fixed focal distance image formation optics, (ii) a manually-actuated trigger **switch** for manually activating the planar laser illumination array (driven by a set of VLD driver...

...the PLIIM-based hand-supportable linear imager of Fig. 39A, shown configured with (i) a **linear** -type image formation and detection (IFD) module having a **linear** image detection array with vertically-elongated image detection elements and fixed focal length/fixed focal...buffer, and the image processing computer, via the camera control computer, (ii) a manually-activatable **switch** for enabling transmission of symbol character data to a host computer system in response to...field enabled by the CCD image sensor within the IFD module, (iii) a manually-activatable **switch** for enabling transmission of symbol character data to a host computer system in response to...the display panel of an external computer graphics workstation), wherein the object under analysis is **controllably** rotated through a single planar laser illumination beam (PLIB) and a single amplitude modulated (AM...

18/5,K/14 (Item 5 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00857190 **Image available**

A NETWORK DEVICE FOR SUPPORTING MULTIPLE UPPER LAYER NETWORK PROTOCOLS OVER A SINGLE NETWORK CONNECTION

DISPOSITIF DE RESEAU COMPATIBLE AVEC PLUSIEURS PROTOCOLES DE RESEAU A COUCHE SUPERIEURE VIA UNE SEULE CONNEXION RESEAU

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August 21, 2003

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200190843 A2-A3 20011129 (WO 0190843)

Application: WO 2001US15867 20010516 (PCT/WO US0115867)

Priority Application: US 2000574343 20000520; US 2000574341 20000520; US
2000574440 20000520; US 2000588398 20000606; US 2000591193 20000609; US
2000593034 20000613; US 2000596055 20000616; US 2000613940 20000711; US
2000616477 20000714; US 2000625101 20000724; US 2000633675 20000807; US
2000637800 20000811; US 2000653700 20000831; US 2000656123 20000906; US
2000663947 20000918; US 2000669364 20000926; US 2000687191 20001012; US
2000703856 20001101; US 2000711054 20001109; US 2000718224 20001121; US
2001756936 20010109; US 2001777468 20010205; US 2001789665 20010221; US
2001803783 20010312; US 2001832436 20010410

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR

KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE

SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-013/00

International Patent Class: G06F-017/30; G06F-001/18; G06F-011/30;

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H04M-003/00; H01J-003/14

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 210510

English Abstract

The present invention provides a network device with at least one physical interface or port (44,68) that is capable of transferring network packets including data organized into one or more upper layer network protocols. Network packets are received by the port (44,68) and a port subsystem in accordance with a physical layer network protocol and transferred to forwarding subsystems within the network device in accordance with the upper layer protocols into which the network packets data has been organized. Network packets including data organized in accordance with ATM are then transferred to one or more ATM forwarding subsystems, network packets including data organized in accordance with MPLS are transferred to one or more MPLS forwarding subsystems, and network packets including data organized in accordance with IP are transferred to one or more IP forwarding subsystems.

French Abstract

L'invention concerne un dispositif de reseau comportant au moins une interface ou port physique pouvant transferer des paquets de reseau contenant des donnees organisees en un ou plusieurs protocoles reseau a couche superieure (par exemple, ATM, MPLS, IP, Frame Relay, Voice, Circuit Emulation). Ledit port peut etre connecte a une annexe de reseau afin de permettre que le dispositif de reseau puisse transferer des paquets de reseau avec d'autres dispositifs de reseau. Des paquets de reseau sont recus par le port et un sous-systeme de port conforme a un protocole de reseau a couche physique, puis transferes vers des sous-systemes de reexpedition a l'interieur du dispositif de reseau conformes aux protocoles a couche superieure dans lesquels les donnees de paquets de reseau ont ete organisees. Par exemple, les donnees organisees

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conformement a ATM via SONET, MPLS via SONET et IP via SONET peuvent etre transferees via une annexe de reseau vers un port du dispositif de reseau. Les paquets de reseau contenant des donnees organisees conformement a ATM sont ensuite transferees vers un ou plusieurs sous-systemes de reexpedition ATM et les paquets de reseau contenant des donnees organisees conformement a IP sont transferees sur un ou plusieurs sous-systemes de reexpedition IP. Pour une efficacite accrue, ce dispositif de reseau permet a l'administrateur de reseau de n'ajouter que le nombre et les types de sous-systemes de reexpedition necessaires pour repondre au service de reseau souscrit pour chaque protocole de reseau a couche. Par ailleurs, ce dispositif de reseau peut necessiter moins d'interfaces physiques que les dispositifs de reseau anterieurs.

Legal Status (Type, Date, Text)

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Search Rpt 20020704 Late publication of international search report

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Examination 20021205 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... EMSs) are designed to configure and manage a particular type of network device (e.g., **switch**, router, hybrid switch-router), and network management systems (NMSs) are used to configure and manage...may be of a similar or different type and. may correspond to the same or **different network** devices. The **network** manager may also add and remove objects from existing collections, create additional new collections...of packets received by the UDS is large, it will take longer to process the **packets** and, thus, longer to process packets containing acknowledge requests. Thus, the UDMLs must wait...

...processed is more than the predetermined threshold, then the UDS may delay sending the acknowledge **packet** until enough **packets** have been processed that the number of packets waiting to be processed is reduced to...

...of packets waiting to be processed to less than the threshold and send an acknowledge **packet** to the UDML including a future time at which the UDML may again send packets...one ATM application for each port.

Alternatively, each port may be enabled to run a **different** protocol (e.g., MPLS, IP, Frame Relay).

In the example given above, the user must...template modifications (Le., one or more control and provisioning templates) to provision one or more **network** devices. Through the client / server based architecture, multiple OSS clients may work with one or the NMS server to access the **different network** device. As **another** example, a second control template may designate an NMS server and a network device to...may use writeCurrent or writeTemplate to create multiple similar templates (Le., same template type with **different** template names), **change** or add parameter values within these multiple similar templates using the set command, and sequentially...

Claim

... timing reference signal to the first timing reference signal in accordance with the first master **control** signal; and synchronizing the first timing reference signal to the second timing reference signal in...synchronizing the second local switch fabric timing subsystem with the second reference signal; and transferring **network** data between the central **switch** fabric subsystem and the distributed **switch** fabric subsystem in accordance with the

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second reference signal.

1 1 0. The method of...the voltage controlled timing circuit and the first and second master control signals, wherein the **control** logic circuit selects the constant master voltage signal for use by the voltage controlled timing...

18/5,K/15 (Item 6 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00814145

A METHOD FOR EXECUTING A NETWORK-BASED CREDIT APPLICATION PROCESS

PROCEDE DE MISE EN OEUVRE D'UN PROCESSUS DE DEMANDE DE CREDIT EN RESEAU

Patent Applicant/Assignee:

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(Residence), US (Nationality)

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Legal Representative:

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52037, Palo Alto, CA 94303, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200146889 A2 20010628 (WO 0146889)

Application: WO 2000US35216 20001222 (PCT/WO US0035216)

Priority Application: US 99470805 19991222; US 99469525 19991222; US 99470039 19991222

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK DM DZ

EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU

LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT

UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

International Patent Class: G07F-019/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 98671

English Abstract

French Abstract

L'invention concerne un systeme, un procede et un article manufacture s'utilisant pour un processus de demande de credit. Dans un premier temps, une demande de credit emanant d'un acheteur utilisant un reseau est recue. En reponse a cette demande de credit, la demande de credit est envoyee a une banque par l'intermediaire du reseau, ce, afin d'evaluer le credit dont dispose l'acheteur, sur la base de la demande de credit. Si le credit est approuve, l'acheteur est accredite par attribution d'un identificateur. Un mot de passe est ensuite produit pour l'acheteur. L'identificateur et le mot de passe sont memorises dans la base de donnees. Le mot de passe est ensuite envoye a l'acheteur a l'aide du reseau. En application, l'acheteur doit utiliser le mot de passe pour lancer des transactions sur le reseau. De plus, l'acheteur se voit attribuer une carte portant l'identificateur..

August 21, 2003

Legal Status (Type, Date, Text)

Publication 20010628 A2 Without international search report and to be
republished upon receipt of that report.
Examination 20011018 Request for preliminary examination prior to end of
19th month from priority date
Declaration 20011122 Late publication under Article 17.2a
Republication 20011122 A2 With declaration under Article 17(2)(a); without
abstract; title not checked by the International
Searching Authority.

Fulltext Availability:
Detailed Description

Detailed Description

... functions in any piston engine object, a programmer WO 01/46889
PCT/US00/35216

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different implementations of a function behind the same name is called
polymorphism and it greatly simplifies a circuit-design program,
countries in an economics model, or aircraft in an air- **traffic - control**
system.

Objects can represent elements of the computer-user environment such as
windows, menus or...

18/5,K/16 (Item 7 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00806392

TECHNOLOGY SHARING DURING ASSET MANAGEMENT AND ASSET TRACKING IN A
NETWORK-BASED SUPPLY CHAIN ENVIRONMENT AND METHOD THEREOF
PARTAGE TECHNOLOGIQUE LORS DE LA GESTION ET DU SUIVI DU PARC INFORMATIQUE
DANS UN ENVIRONNEMENT DU TYPE CHAÎNE D'APPROVISIONNEMENT RESEAUTÉE, ET
PROCÉDÉ ASSOCIÉ

Patent Applicant/Assignee:

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2029 Century Park East, Los Angeles, CA 90067-3024, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139086 A2 20010531 (WO 0139086)

Application: WO 2000US32310 20001122 (PCT/WO US0032310)

Priority Application: US 99444653 19991122; US 99447623 19991122

Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE

DK DM DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL

TJ TM TR TT TZ UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 156214

English Abstract

August 21, 2003

French Abstract

Legal Status (Type, Date, Text)

Publication 20010531 A2 Without international search report and to be
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Examination 20010927 Request for preliminary examination prior to end of
19th month from priority date
Declaration 20020613 Late publication under Article 17.2a
Republication 20020613 A2 With declaration under Article 17(2)(a); without
abstract; title not checked by the International
Searching Authority.

Fulltext Availability:
Detailed Description

Detailed Description

... already be in place as part of "NGN". These include all intelligent
components of the **packet** based "NGN" described above. The emergence
of "New Core" signals the retirement of legacy PSTN...second increment.

Therefore, there is a need for switches of a telecommunications network
to store **call** record information in a flexible and expandable format.
There is a further need to provide...

18/5,K/17 (Item 8 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00784136

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR BUSINESS LOGIC SERVICES
PATTERNS IN A NETCENTRIC ENVIRONMENT

SYSTEME, PROCEDURE ET ARTICLE DE FABRICATION POUR STRUCTURES DE SERVICES DE
LOGIQUE DE COMMERCE DANS UN ENVIRONNEMENT S'ARTICULANT AUTOUR DE
L'INTERNET

Patent Applicant/Assignee:

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Inventor(s):

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Legal Representative:

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2029 Century Park East, Los Angeles, CA 90067-3024, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200116728 A2-A3 20010308 (WO 0116728)

Application: WO 2000US24197 20000831 (PCT/WO US0024197)

Priority Application: US 99387658 19990831

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC

LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI

SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-009/44

International Patent Class: G06F-009/46

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 150863

English Abstract

A system, method, and article of manufacture are provided for implementing business logic service patterns for allowing reuse of a business object in a component-based architecture. An attribute dictionary pattern is used for controlling access to data of a business object via an attribute dictionary. A constant class pattern is provided for ensuring correct data at an attribute level. The patterns are utilized for reusing a business object which is classified as a business component, a business service, and/or a business facility.

French Abstract

L'invention porte sur un systeme, un procede et un article de fabrication s'appliquant a la mise en oeuvre de structures de services de logique de commerce en vue d'etre autorise a utiliser un objet commercial dans une architecture a base de composants. Une structure de dictionnaire d'attributs est utilisee pour commander l'accès aux donnees d'un objet commercial via un dictionnaire d'attributs. Une structure de classement constant assure la correction des donnees a un niveau d'attributs. Les structures sont utilisees pour reutiliser un objet commercial classifie comme composant commercial, service commercial et/ou installation commerciale.

Legal Status (Type, Date, Text)

Publication 20010308 A2 Without international search report and to be republished upon receipt of that report.

Search Rpt 20030109 Late publication of international search report

Republication 20030109 A3 With international search report.

Fulltext Availability:

Detailed Description

Detailed Description

... telephony nodes (PBXs, ACDs, etc.) to control the telephony environment through the following telephony controls.

Call control

Controls telephone features

Controls recorded messages

...Host-based API Products - operate on a particular computer vendor's hardware platform and provide **call control** and messaging functionality.

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CTI Cross-Platform Vendors - products that have been ported to multiple hardware platform-s/operating systems.

CTI Enabling Solutions - focus solely on **call control** and call/application synchronization functions.

CTI Enterprise Solutions - provide all CTI business functions to varying ...to Point Tunneling Protocol

Layer 2 Tunneling Protocol

Transport-layer filtering

Network traffic can be **controlled** at the Transport Services layer by filtering data packets based on source and/or destination...nodes. Media Access services perform the following functions.

Physical Addressing - The Media Access service encapsulates **packets** with physical address information used by the data link protocol (e.g., Ethernet, Frame...work flow as needed.

Rule Management

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A business process workflow is typically composed of many **different** roles and **routes** . Decisions must be made as to what to route to which role, and when.

Rule...

18/5,K/18 (Item 9 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00784131

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A MULTI-OBJECT FETCH
COMPONENT IN AN INFORMATION SERVICES PATTERNS ENVIRONMENT
SYSTEME, PROCEDE ET ARTICLE MANUFACTURE POUR COMPOSANT DE RECUPERATION
MULTI-OBJET DANS UN ENVIRONNEMENT CARACTERISE PAR DES SERVICES
D'INFORMATIONS

Patent Applicant/Assignee:

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200116723 A2-A3 20010308 (WO 0116723)

Application: WO 2000US24083 20000831 (PCT/WO US0024083)

Priority Application: US 99386238 19990831

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM

EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU

LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT

TZ UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-009/44

International Patent Class: G06F-009/46

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 150940

English Abstract

A system, method, and article of manufacture are provided for retrieving multiple business objects across a network in one access operation. A business object and a plurality of remaining objects are provided on a persistent store. Upon receiving a request for the business object, it is established which of the remaining objects are related to the business object. The related objects and the business object are retrieved from the persistent store in one operation and it is determined how the retrieved related objects relate to the business object and each other. A graph of relationships of the business and related objects is instantiated in memory.

French Abstract

La presente invention concerne un systeme, un procede et un article de manufacture destine a la recuperation de plusieurs objets d'affaires dans un reseau en une operation d'accès. A cet effet, on dispose dans une memoire permanente d'un objet d'affaire et d'une pluralite d'objets restants. Des la reception d'une requete se rapportant a un objet

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d'affaires, on recherche deux des objets restants qui sont en relations avec l'objet d'affaires. Une seule operation permet ainsi de recuperer dans la memoire permanente ces objets ainsi que l'objet d'affaires. Il ne reste plus qu'a determiner les relations existant d'une part entre les objets consideres et d'autre part entre ces objets et l'objet d'affaires. Une instanciacion d'un graphique des relations entre les objets et l'objet d'affaire est conservee en memoire.

Legal Status (Type, Date, Text)

Publication 20010308 A2 Without international search report and to be republished upon receipt of that report.
Examination 20010809 Request for preliminary examination prior to end of 19th month from priority date
Search Rpt 20020912 Late publication of international search report
Republication 20020912 A3 With international search report.

Fulltext Availability:
Detailed Description

Detailed Description

... in language, text direction, and character encoding.

Perhaps most significantly, HTML 4.0 increases authors' **control** over how pages are organized by adding support for Cascading Style Sheets CSS Style sheets...telephony nodes (PBXs, ACDs, etc.) to control the telephony environment through the following telephony controls.

Call control

Controls telephone features

Controls recorded messages

Manipulates real time call activities (e.g., make call...distribution tool to be loaded first on each client !5 machine. Another option is to **package** the application into ActiveX controls, utilizing the automatic install/update capabilities available with ActiveX controls...

18/5,K/19 (Item 10 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00777020

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR RESOURCE ADMINISTRATION IN AN E-COMMERCE TECHNICAL ARCHITECTURE

SYSTEME, PROCEDE ET ARTICLE MANUFACTURE POUR L'ADMINISTRATION DE RESSOURCES DANS UNE ARCHITECTURE TECHNIQUE DE COMMERCE ELECTRONIQUE

Patent Applicant/Assignee:

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(Residence), NL (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

UNDERWOOD Roy A, 4436 Hearthmoor Court, Long Grove, IL 60047, US, US
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Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, P.O. Box 52037, Palo Alto, CA 94303-0746, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200109791 A2-A3 20010208 (WO 0109791)

Application: WO 2000US20547 20000728 (PCT/WO US0020547)

Priority Application: US 99364161 19990730

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

August 21, 2003

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-009/46

International Patent Class: G06F-009/44; G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 136396

English Abstract

A system, method and article of manufacture provide a resources e-commerce technical architecture. One embodiment of the present invention includes first performing network performance modeling on a network. Context objects are shared among a plurality of components executed on a transaction server on the network. Application consistency is maintained by referencing text phrases through a short codes framework. Further, software modules are managed during development of the architecture.

French Abstract

Cette invention se rapporte a un systeme, a un procede et a un article manufacture qui forment une architecture technique de commerce electronique pour l'administration de ressources. Dans un mode de realisation de cette invention, on soumet d'abord un reseau a une operation de modelisation des performances reseau. Les objets contextes sont partages entre plusieurs elements executes sur un serveur de transactions du reseau. On maintient la coherence des applications en referencant des phrases textes via une structure de codes courts. Des modules de logiciels sont en outre geres pendant l'elaboration de cette architecture.

Legal Status (Type, Date, Text)

Publication 20010208 A2 Without international search report and to be republished upon receipt of that report.
Examination 20010719 Request for preliminary examination prior to end of 19th month from priority date
Search Rpt 20010830 Late publication of international search report
Republication 20010830 A3 With international search report.
Fulltext Availability:
Detailed Description

Detailed Description

... design, build, and test the system.

Analysis & Design

The BI Methodology has several application development **routes** that apply to **different** development scenarios. **Routes** currently exist in the methodology for custom and packaged

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application development. Component development is...files. Applications and databases can also authorize users for specific levels of access within their **control**. (This functionality is within the Environment Services grouping in the execution architecture.)

Firewall Services protect...

...resources and information attached to an Intxxnet network from unauthorized access by enforcing an access **control** policy.

Recommendation

I 0 ReTA may utilize all Windows NT-based resources, including those accessed...Pack 3.

Install Internet Explorer 4.01 SP1 (choose standard install).

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Install Windows NT Option Pack
Install Index Server and the SMTP Server components.

Make sure to configure MTS for local...

18/5,K/20 (Item 11 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00749027 **Image available**
UNIVERSAL SYNCHRONOUS NETWORK SYSTEM FOR INTERNET PROCESSOR AND WEB
OPERATING ENVIRONMENT
SYSTEME DE RESEAU SYNCHRONE UNIVERSEL POUR PROCESSEUR INTERNET ET
ENVIRONNEMENT DE FONCTIONNEMENT INTERNET

Patent Applicant/Assignee:

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Inventor(s):

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Legal Representative:

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94306, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200062470 A1 20001019 (WO 0062470)

Application: WO 2000US10101 20000414 (PCT/WO US0010101)

Priority Application: US 99129314 19990414; US 99417528 19991013; US
99444007 19991119; US 99170455 19991213; WO 68US42 20000315

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE

ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU

LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG

UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04L-007/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 97387

English Abstract

A method for increasing bandwidth of signals between a transmitting and receiving nodes is provided. A time synchronization signal is received. Clock tuning logic (161) synchronizes the transmitting and receiving nodes using the received synchronization signal. Channel measurement logic (164) measures the capacity of the communication channel. Channel calibration logic (163) calibrates the communications channel using the capacity measurements. Precision sampling logic (165) samples the clock signal of the nodes. Phase adjustment is delivered to the nodes when a sampled clock signal exceeds a phase interval.

French Abstract

Cette invention concerne un procede permettant d'augmenter la largeur de bande des signaux entre des noeuds d'emission et de reception. Sur reception d'un signal de synchronisation, une logique de réglage fin d'horloge (161) synchronise les noeuds d'emission et de reception au moyen dudit signal. Une logique de mesure de canal (164) mesure la capacite du canal de communication. Une logique d'etalonnage (163) etalonne le canal de communication sur la base de releves de capacite. Une logique d'echantillonnage de precision (165) echantillonne le signal d'horloge des noeuds. Un ajustement de phase est transmis aux noeuds

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lorsque un signal d'horloge echantillonne depasse l'intervalle phase.

Legal Status (Type, Date, Text)
Publication 20001019 A1 With international search report.
Publication 20001019 A1 Before the expiration of the time limit for
amending the claims and to be republished in the
event of the receipt of amendments.
Examination 20010201 Request for preliminary examination prior to end of
19th month from priority date
Fulltext Availability:
Detailed Description

Detailed Description

... uses

1 5

parallel channels and bit streams in a flexible way, and uses distributed
switching to avoid the potential bottleneck of centralized switches.

In the Com2000' Intelligence for wireline modem...as well as linear
nulling to perform the detection. Using symbol cancellation, interference
from already- **detected** components of the symbol vector, is subtracted
out from the received signal vector, resulting in...

18/5,K/21 (Item 12 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00209233 **Image available**

PARALLEL COMPUTER SYSTEM

SYSTEME D'ORDINATEUR PARALLELE

Patent Applicant/Assignee:

THINKING MACHINES CORPORATION,

Inventor(s):

DOUGLAS David C,
GANMUKHI Mahesh N,
HILL Jeffrey V,
HILLIS W Daniel,
KUSZMAUL Bradley C,
LEISERSON Charles E,
WELLS David S,
WONG Monica C,
YANG Shaw-Wen,
ZAK Robert C,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9206436 A2 19920416

Application: WO 91US7383 19911003 (PCT/WO US9107383)

Priority Application: US 9029 19901003

Designated States: AT AU BE CA CH DE DK ES FR GB GR IT JP KR LU NL SE

Main International Patent Class: G06F-015/16

International Patent Class: G06F-15:06; G06F-11:00; G06F-11:22

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 163366

English Abstract

A digital computer includes a plurality of processing elements, a
command processor, a diagnostic processor and a communications network.
The processing elements each performs data processing and data
communications operations in connection with commands. The processing
elements also performing diagnostic operations in response to diagnostic
operation requests and providing diagnostic results in response thereto.
The command processor generates commands for the processing elements, and

also performs diagnostic operations in response to diagnostic operation requests and providing diagnostic results in response thereto. The diagnostic processor generates diagnostic requests. The communication network includes three elements, including a data router, a control network and a diagnostic network. The data router is connected to the processing elements for facilitating the transfer of data among them during a data communications operation. The control network is connected to the processing elements and the command processor for transferring commands from the command processor to the processing elements. The diagnostic network connected to the processing elements, the command processor and the diagnostic processor for transferring diagnostic requests from the diagnostic processor to the processing elements and the command processor and for transferring diagnostic results from the processing elements and the command processor to the diagnostic processor.

French Abstract

Un ordinateur numerique comprend un ensemble d'elements processeurs, un processeur de commandes, un processeur diagnostique et un reseau de communications. Chacun des elements processeurs effectue des operations de traitement et de communication de donnees en fonction des commandes. Les elements-processeurs effectuent egalement des operations de diagnostic en reponse a des requetes de diagnostic et fournissent les resultats de ces operations. Le processeur de commandes produit des commandes pour les elements processeurs, et effectue egalement des operations de diagnostic en reponse a des requetes de diagnostic et fournit les resultats de ces operations. Le processeur diagnostique produit des requetes de diagnostic. Le reseau de communication comprend trois elements, a savoir un routeur de donnees, un reseau de commande et un reseau diagnostique. Le routeur de donnees est relie aux elements processeurs de maniere a faciliter le transfert de donnees entre ces elements pendant une operation de communication de donnees. Le reseau de commande est relie aux elements processeurs et au processeur de commandes de maniere a transferer les commandes depuis le processeur de commandes aux elements processeurs. Le reseau diagnostique est relie aux elements processeurs, au processeur de commandes et au processeur diagnostique de maniere a transferer les requetes de diagnostic depuis le processeur diagnostique aux elements processeurs et au processeur de commandes, et de maniere a transferer les resultats du diagnostic depuis les elements processeurs et le processeur de commandes au processeur diagnostique.

Fulltext Availability: Detailed Description

Detailed Description

... other hardware is decoding the operation code of another instruction, fetching the operands of still **another** instruction, executing yet **another** instruction, and storing the processed data of a fifth instruction. Since the five steps are... The private register 232 also includes a lock flag 251, included in the injector common **control** /status portion 224, that controls the operation of the message injector portion 220. The lock... receives the RCVD FLICK (4:0) signals representing successive flicks of a control network message **packet** 60.

The **checksum** **check** circuit 902 is reset in response to the RCV 0 signal from receive timing control...

...the RCVjD FLICK (4:0) signals represent the checksum portion 63 of the received message **packet** 60, if the **checksum** **check** circuit 902 **determines** that the message **packet** was properly received, it asserts the CHECK OK signal.

A protocol check circuit 903 iteratively...

...signals representing the flicks comprising the IR packet header 61 of a

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control network message **packet** 60, and **determines** whether the encodings correspond to those that are permissible in the particular system 10. If...

...it asserts a PROT OK protocol ok signal. In addition, the protocol check circuit 903 **determines** whether the message **packet** 60 being received is of the multiple source type and has the result of a...of the RCVD FLICK (4-0) signals representing successive flicks of the control network message **packet** 60, **check** circuit 892 asserting both the CHECK OK and the PROT OK signals, the RCV 12...state until the next update.

The destination control circuit 832, when an control network message **packet** 60 is received, **identifies** the particular FIFO 833, 834 or 835, or the one of registers 804 into which...control network message packet 60 being transmitted by the transmit section 800 is the configuration **packet** that **identifies** the control network interface 204 as the logical root.

When the transmit section 800 is...contains a control network message packet 60 of the single source message type and configuration **packet** type which **identifies** a height other than zero as the root level, the decoder 925 asserts the CNI..

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22/5,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01300763

Adaptively maintaining quality of service (QoS) in distributed PBX networks
Adaptive Aufrechterhaltung der Dienstqualität (QoS) in einem verteilten PBX
Netz

Maintenir la qualite de service (QoS) de facon adaptative dans des reseaux
distribues d'autocommutateurs prives

PATENT ASSIGNEE:

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LEGAL REPRESENTATIVE:

Boyce, Conor et al (74271), F. R. Kelly & Co., 27 Clyde Road, Ballsbridge
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PATENT (CC, No, Kind, Date): EP 1115258 A2 010711 (Basic)
EP 1115258 A3 011004

APPLICATION (CC, No, Date): EP 2000650212 001221;

PRIORITY (CC, No, Date): US 475269 991230; US 474778 991230; US 474779
991230

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04Q-003/62; H04L-029/06

ABSTRACT EP 1115258 A2

An adaptation mechanism monitors, maintains and controls quality of
voice-grade for communications among end-systems in a distributed PBX
topology, thereby providing an enhanced Quality of Service (QoS) for the
network.

ABSTRACT WORD COUNT: 31

NOTE:

Figure number on first page: 10

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 010711 A2 Published application without search report
Search Report: 011004 A3 Separate publication of the search report
Examination: 020612 A2 Date of request for examination: 20020404
Examination: 020731 A2 Date of dispatch of the first examination
report: 20020618

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200128	1140
SPEC A	(English)	200128	15412
Total word count - document A			16552
Total word count - document B			0
Total word count - documents A + B			16552

...SPECIFICATION unused channels, e.g., all zeros. In other words, the size
allocated channels within the IP packet will be all zeros. This wastes
the limited bandwidth of the network of Fig...

...a network. The size of packets and the rate at which the network sends
the **packets determines** the bandwidth required for the application.
Because each voice channel typically consumes 64 kilobits/second in an
uncompressed format, if network 200 included a **PBX** having 1000
channels, network 200 would require at least 64 Megabits/second of
bandwidth to...

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22/5,K/2 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01000979

THE PFN/TRAC SYSTEM^{sup}TM FAA UPGRADES FOR ACCOUNTABLE REMOTE AND ROBOTICS
CONTROL TO STOP THE UNAUTHORIZED USE OF AIRCRAFT AND TO IMPROVE
EQUIPMENT MANAGEMENT AND PUBLIC SAFETY IN TRANSPORTATION
PERFECTIONNEMENTS FAA AU SYSTEME PFN/TRAC<SP>MD</SP> POUR LE CONTROLE
RESPONSABLE A DISTANCE ET ROBOTIQUE POUR L'ELIMINATION DE L'UTILISATION
NON AUTORISEE D'AERONEFS ET POUR L'AMELIORATION DE LA GESTION
D'EQUIPEMENT ET DE LA SECURITE PUBLIQUE DANS LE DOMAINE DU TRANSPORT

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200329922 A2 20030410 (WO 0329922)
Application: WO 2002US30857 20021001 (PCT/WO US0230857)
Priority Application: US 2001325538 20011001; US 2001330085 20011019

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CZ
DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD
SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 133713

English Abstract

This invention, a Protected Primary Focal Node PFN is a Trusted Remote Activity Controller TRAC and mobile communication router platform that provides accountable remote and robotics control to transportation vehicles by interfacing with the vehicles E/E systems. It connects each vehicle either on the earth's surface or near the earth's surface with application specific intranets for air, sea and land travel, via either host commercial servers or agency providers through wireless communication gateways and then further interfaces these vehicles in a larger machine messaging matrix via wireless and IP protocols to further coordinate movement assess and manage equipment use and impact on the world resources, societies infrastructure and the environment. This filing focuses directly on PFN/TRAC System use to augment and upgrade public safety and security in the Airline Industry and restrict any unauthorized use of an aircraft. Additionally, this application and related filings teaches the PFN/TRAC System^{sup}TM use for all vehicle platforms to increase safety and security in a free society like the United State of America. The other related filings instruct in the technology's use for robust and accountable remote control for personal applications, stationary equipment and standalone functions, and coordinates them and interfaces them within the communication matrix. The TRAC controller also performs translation and repeating functions across

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a wide variety of communication protocols to complete a more mobile flexible matrix or web. This connected communication matrix of computers and humans provides an enhanced Human Machine Interfacing HMI scenario both locally and systemically in real-time for improve equipment management and world stability.

French Abstract

La presente invention concerne un noeud focal primaire protege (PFN) qui est un controleur d'activites a distance de confiance (TRAC) et une plate-forme d'acheminement de communication mobile qui fournit le controle responsable a distance et robotique aux vehicules de transport par dialogue avec les systemes E-E des vehicules. Elle relie chaque vehicule soit sur la surface terrestre ou pres de la surface terrestre a des intranets specifiques d'applications pour le transport aerien, maritime et terrestre, via soit des serveurs hotes commerciaux ou des fournisseurs de mandataires a travers des passerelles de communication sans fil et effectue un interfacage additionnel de ces vehicules dans une matrice de messagerie plus vaste via des protocoles IP pour coordonner davantage des evaluations de deplacement et la gestion de l'utilisation d'equipement et l'impact sur les ressources mondiales, l'infrastructure des societes et l'environnement. La presente invention s'appuie directement sur le Systeme PFN/TRAC pour accroitre et ameliorer la securite publique et la securite dans l'industrie de l'aviation et limiter toute utilisation non autorisee d'un aeronef. En outre, cette invention et ses annexes preconisent l'utilisation du Systeme PFN/TRAC<SP>MD</SP> pour toutes les plates-formes des vehicules pour accroitre la surete et la securite dans une societe libre comme les Etats Unis d'Amerique. Les autres demandes annexes preconisent l'utilisation de la technologie pour le controle a distance strict et responsable pour des applications personnelles, un equipement fixe et des fonctions autonomes, et effectuent leur coordination et leur interfacage au sein de la matrice de communication. Le controleur TRAC effectue egalement la traduction et des fonctions repetitives a travers une large gamme de protocoles de communication pour realiser une matrice ou toile flexible plus mobile. Cette matrice de communication de connexion d'ordinateurs et d'etres humains fournit un scenario d'interface homme-machine (IHM) localement et systematiquement en temps reel pour ameliorer la gestion d'equipement et la stabilite dans le monde.

Legal Status (Type, Date, Text)

Publication 20030410 A2 Without international search report and to be republished upon receipt of that report.

Fulltext Availability:

Detailed Description

Detailed Description

... audio, video and data monitored and recorded locally as well as, time and GPS or **location** stamped then sent and stored in regional and national FACT Security mass data repositories. (The...data to at the local level to enter it into the wireless security matrix with **internet protocols** worldwide. As a general rule to improve reliability in this architecture minimums of extra computing...by TRACker through a modem and data splitting program for the Airfone protocol. The surface **IP** gateways to this FACT security system will be running the application specific Airfone software to reconstitute the data into **IP** packets if necessary and the specific codecs to reconstitute the data into a comprehensible format...on board to harvest their data and enter it in to the TSA system via **internet protocols**. Or the FACT (IP) security matrix combining national and global transportation Intranets and ...phone provider is part of for emergency action messages to be delivered into the surface **IP** /TSA gateways.

This gives a continual down feed ...and for later analysis. Special arrangements with these providers to support secure gateways into this **IP** security matrix of TSA and other agencies will have to be arranged

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and constructed..

CNSA...real-time. Data is locally harvested/stored and send on by the appropriate wireless and IP applications with encryption to the appropriate systems terminals and application programming for decryption and use...multitude of protocol interfacing programs will create a flexible universal communication matrix or wireless by Internet protocol . The system will always be diverse and need planning to insure enough of the properly...The TRACKerTMunit would employ this approved wireless transceiver technology and any packet data protocol to IP conversion codec both in the TRACKerrm unit and in the receiving ... airline recovered data to the communication protocols to stream the data through the interfaced wireless IP .

Data capacity concerns

First (a simple system such as phase shift keying (PSK) for it... technologies will have to package data in factored packets so that when then reach their IP address they can be appropriately integrated and reconstituted no matter how they are routed. How...the acceptable use of remote and shared equipment controls in society.

Identifiable data packets (wireless/ IP /enerypted) generated by the routing program in a TRAC unit are held in local in...

...time (to be determined by network engineers). Standard processing and packet tracking for completed messages (IP) will be employed with the exception of data storage of transparent messaging being securely stored ...

22/5,K/3 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00975724 **Image available**

REMOTE CONTROL FOR DVR ENABLED HOME GATEWAY
TELECOMMANDE POUR UNE PASSERELLE DOMESTIQUE ACTIVEE PAR ENREGISTREUR VIDEO
NUMERIQUE

Patent Applicant/Assignee:

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200305723 A1 20030116 (WO 0305723)

Application:- WO 2002US20989 20020701 (PCT/WO US0220989)

Priority Application: US 2001898728 20010703

Designated States: CA JP KR

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR

Main International Patent Class: H04N-007/173

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 22710

English Abstract

A system for wireless remote control (30) of a gateway (10) and ordering or invocation of services provided by a headend (12). The remote control (30) includes a video display and user input device (30) or keyboard and can decompress and display compressed streaming video in some

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embodiments. Some species of the remote control can act as web browsers, appliance control, TIVO function control, an IP telephony telephone, a cellular telephone and or an MP3 player. In some embodiments, the gateway (10) and/or headend (12) can implement TIVO-like functions under control from a wireless remote of custom design or implemented on a Personal Digital Assistant.

French Abstract

L'invention concerne un systeme pour une telecommande sans fil (30) d'une passerelle (10), permettant la commande ou l'invocation de services fournis par une tete de reseau (12). La telecommande (30) comprend un dispositif d'affichage video et un dispositif d'entree utilisateur (30) ou un clavier, et peut, selon certains modes de realisation, decompresser et afficher des sequences video compressees. Certains types de telecommande peuvent servir de navigateurs web, de commande d'appareil, de commande de fonction TIVO, de telephone IP, de telephone portable ou de lecteur MP3. Dans certains modes de realisation, la passerelle (10) et/ou la tete de reseau (12) peuvent mettre en oeuvre des fonctions de type TIVO, commandees a partir d'une telecommande sans fil personnalisee ou mises en oeuvre sur un assistant numerique personnel.

Legal Status (Type, Date, Text)

Publication 20030116 A1 With international search report.

Examination 20030424 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:

Detailed Description

Detailed Description

... sent to host 308 for recognition. The host 308 then responds under control of the **PBX** function to carry out the request. If the caller wants to speak to Sonia, the host generates a "ring control" IP packet addressed to Sonia's telephone adapter and encapsulates it in a LAN packet addressed...

22/5,K/4 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00975714 **Image available**

HEADEND CHERRYPICKER WITH DIGITAL VIDEO RECORDING CAPABILITY

DISPOSITIF DE SELECTION ALEATOIRE (CHERRYPICKER) DE TETE DE RESEAU A FONCTION D'ENREGISTREMENT VIDEO-NUMERIQUE

Patent Applicant/Assignee:

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Inventor(s):

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200305713 A1 20030116 (WO 0305713)

Application: WO 2002US20841 20020701 (PCT/WO US0220841)

Priority Application: US 2001898681 20010703

Designated States: CA JP KR

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR

Main International Patent Class: H04N-005/781

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

August 21, 2003

Fulltext Word Count: 21941

English Abstract

A system for wireless remote control (30) of a gateway (10) and ordering or invocation of services provided by a headend (12). The remote control includes a video display (60) and user input device or keyboard (54) and can decompress and display compressed streaming video in some embodiments. Some species of the remote control (30) can act as web browsers, appliance control, TIVO function control, an IP telephony telephone, a cellular telephone and/or and MP3 player (163). In some embodiments, the gateway (10) and/or headend (12) can implement TIVO-like functions under control from a wireless remote of custom design or implemented on a Personal Digital Assistant.

French Abstract

L'invention concerne un systeme de telecommande (30) sans fil d'une passerelle (10) et de commande ou d'appel de services fournis par une tete de reseau (12). Dans certains modes de realisation, la telecommande comporte un ecran video (60) et un dispositif d'entree d'utilisateur ou un clavier (54) et peut compresseur et afficher une sequence video compressee. Certains types de telecommande (30) peuvent agir comme des chercheurs Web, une commande d'application, une commande de fonction TIVO, un telephone Internet, un telephone cellulaire et/ou un lecteur MP3 (163). Dans d'autres modes de realisation, la passerelle (10) et/ou la tete de reseau (12) peut appliquer des fonctions de type TIVO par telecommande personnalisee ou mise en oeuvre dans un assistant numerique.

Legal Status (Type, Date, Text)

Publication 20030116 A1 With international search report.

Publication 20030116 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Examination 20030619 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:

Detailed Description

Detailed Description

... sent to host 308 for recognition. The host 308 then responds under control of the PBX function to carry out the request. If the caller wants to speak to Sonia, the host generates a "ring control" IP packet addressed to Sonia's telephone adapter and encapsulates it in a LAN packet...

22/5,K/5. (Item 4 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00935351 **Image available**

METHOD AND SYSTEM FOR ALIGNMENT OF STREAMING DATA BETWEEN CIRCUIT AND PACKET DOMAINS OF A COMMUNICATION SYSTEM

PROCEDE ET SYSTEME POUR ALIGNER DES DONNEES DE TRANSMISSION EN CONTINU ENTRE DES DOMAINES CIRCUITS ET PAQUETS DANS UN SYSTEME DE COMMUNICATION

Patent Applicant/Assignee:

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Inventor(s):

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KALER Stuart P (et al) (agent), Siemens Corporation, Intellectual
Property Dept., 186 Wood Ave. South, Iselin, NJ 08830, US,

Patent and Priority Information (Country, Number, Date):

August 21, 2003

Patent: WO 200269587 A2 20020906 (WO 0269587)
Application: WO 2002US2693 20020130 (PCT/WO US0202693)
Priority Application: US 2001791480 20010222

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO
RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04L-012/64

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 10127

English Abstract

A method and system for alignment of streaming data between circuit and packet domains of a communication system includes receiving an uplink circuit frame from a wireless connection in a circuit domain of a communication system. The uplink circuit frame is aligned to a packet domain of the communication system to generate a packet domain-aligned circuit frame. The packet domain-aligned circuit frame is forwarded for packetization and transmission in the packet domain.

French Abstract

L'invention concerne un procede et un systeme pour aligner des donnees de transmission en continu entre des domaines circuits et paquets dans un systeme de communication. Selon l'invention, une trame de circuit en sens montant est envoyee par une connexion sans fil dans un domaine circuit d'un systeme de communication. Cette trame de circuit en sens montant est alignee a un domaine paquet du systeme de communication, pour generer une trame de circuit alignee sur domaine paquet, laquelle est transmise pour paquetisation et transmission dans le domaine paquet.

Legal Status (Type, Date, Text)

Publication 20020906 A2 Without international search report and to be republished upon receipt of that report.

Fulltext Availability:

Detailed Description

Detailed Description

... key. Similarly, the packet signaling unit 404 includes a packet address table 408 associating a **packet identifier** (IP) for each **packet** connection with a MS key. The circuit and packet signaling units 402 and 404 communicate...

...allowing task to communicate to provide array of wireless voice services on top of an IP backbone. In addition, all calls are handled in the same manner, such as mobile-to-mobile and mobile-to- PBX .

The circuit-to-packet IWF 124 includes the circuit to-packet unit 130 that spans...

22/5,K/6 (Item 5 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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August 21, 2003

00935331 - **Image available**

**A METHOD AND SYSTEM FOR TRANSLATING BETWEEN CIRCUIT AND PACKET IDENTIFIERS
FOR A COMMUNICATION CONNECTION**

**PROCEDE ET SYSTEME DE CONVERSION D'IDENTIFIANTS DE CIRCUIT ET
D'IDENTIFIANTS DE PAQUET POUR UNE CONNEXION DE COMMUNICATION**

Patent Applicant/Assignee:

OPUSWAVE NETWORKS INC, 8610 Explorer Drive, Colorado Springs, CO 80920,
US, US (Residence), US (Nationality)

Inventor(s):

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Legal Representative:

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Property Dept., 186 Wood Avenue South, Iselin, NJ 08830, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200269564 A2 20020906 (WO 0269564)

Application: WO 2002US3944 20020201 (PCT/WO US0203944)

Priority Application: US 2001791482 20010222

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04L-012/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 9713

English Abstract

A method and system for translating between circuit and packet identifiers for a communication connection includes receiving an uplink circuit frame for a connection. The uplink circuit frame includes a circuit identifier. A common key is determined for the connection based on the circuit identifier. A packet identifier is determined for the connection based on the common key without a data search by indexing into a bearer path mapping table using the common key. The uplink circuit frame is translated into an uplink packet with the packet identifier for transmission to a remote endpoint of the connection.

French Abstract

La presente invention concerne un systeme et un procede de conversion d'identifiants de circuit et d'identifiants de paquet pour une connexion de communication, consistant a recevoir une trame de circuit en liaison montante pour etablir une connexion. La trame de circuit en liaison montante comprend un identifiant de circuit. Une cle commune est determinee pour la connexion en fonction de l'identifiant de circuit. Un identifiant de paquet est determine pour la connexion en fonction de la cle commune sans aucune recherche de donnees, par indexage dans une table de mise en correspondance des chemins supports a l'aide de la cle commune. La trame de circuit en liaison montante est convertie en un paquet en liaison montante avec l'identifiant de paquet pour permettre la transmission de la connexion a un terminal a distance.

Legal Status (Type, Date, Text)

Publication 20020906 A2 Without international search report and to be
republished upon receipt of that report.

Fulltext Availability:

Detailed Description

Detailed Description

August 21, 2003

... Similarly,--the packet signaling unit 404 includes a packet address table 408 associating a **packet identifier** (IP) for each **packet** connection with a MS key. The circuit and packet signaling units 402 and 404 communicate...

...allowing task to communicate to provide array of wireless voice services on top of an IP backbone. In addition, all calls are handled in the same manner, such as mobile-to-mobile and mobile-to- **PBX** .

The circuit-to-packet IWF 124 includes the circuit to-packet unit 130 that spans...

22/5,K/7 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00931630 **Image available**

PACKET DATA RECORDING METHOD AND SYSTEM

PROCEDE ET SYSTEME D'ENREGISTREMENT DE PAQUETS DE DONNEES

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, GB (Residence), GB (Nationality), (For all designated states except:
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Patent Applicant/Inventor:

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for: US)

Legal Representative:

GILL David Alan (agent), W. P. Thompson & Co., Celcon House, 289-293 High
Holborn, London WC1V 7HU, GB,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200265704 A1 20020822 (WO 0265704)

Application: WO 2002GB586 20020211 (PCT/WO GB0200586)

Priority Application: GB 20013381 20010212

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04L-012/26

International Patent Class: H04L-029/06

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 10760

English Abstract

The present invention provides for a data recording system including data recording means having a plurality of network interface cards in which a plurality of network interface cards can be employed within a single recording mean and each card can be provided with a plurality of network connecting ports then, for example, for each RTP packet stream being recorded, the system can advantageously note the sequence number for the most recently accepted packet and any packet received with a lower sequence number can be readily discarded.

August 21, 2003

French Abstract

L'invention concerne un systeme d'enregistrement de donnees comprenant des unites d'enregistrement de donnees possedant une pluralite de cartes d'interface reseau pouvant etre utilisees a l'interieur d'une seule unite d'enregistrement, chaque carte pouvant etre pourvue d'une pluralite de points d'accès de connexion reseau. Ce systeme peut, par exemple, ensuite pour chaque train de donnees en paquets RTP en cours d'enregistrement, noter, de facon avantageuse, le nombre de sequences du paquet accepte le plus recemment et tout paquet reçu avec un nombre de sequences inferieur peut etre immediatement rejete. Ceci permet a des enregistreurs multiples de communiquer les uns avec les autres afin, par exemple, d'eviter l'enregistrement du meme train de donnees au niveau de plus d'un enregistreur. Ces enregistreurs peuvent limiter au maximum la perte de paquets.

Legal Status (Type, Date, Text)

Publication 20020822 A1 With international search report.

Publication 20020822 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Fulltext Availability:

Detailed Description

Detailed Description

... To determine what, and indeed how to record, some knowledge of the identity of specific IP addresses is often required. For example, knowing which IP address hosts an IP-PBX will allow better filtering of information and the analysis of call control packets involving that node. Unfortunately, many IP addresses are dynamically assigned, e.g. via DHCP. Also

22/5,K/8 (Item 7 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00925719 **Image available**

SYSTEM FOR PROVIDING SERVICES AND VIRTUAL PROGRAMMING INTERFACE

SYSTEME DE FOURNITURE DE SERVICES ET INTERFACE DE PROGRAMMATION VIRTUELLE

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Patent Applicant/Inventor:

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Legal Representative:

PATENTGRUPPEN APS (agent), Arosgrøden, Aaboulevarden 23, DK-8000 Aarhus C, DK,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200259803 A1 20020801 (WO 0259803)

Application: WO 2001DK60 20010126 (PCT/WO DK0100060)

Priority Application: WO 2001DK60 20010126

Designated States: AE AG AL AM AT (utility model) AU AZ BA BB BG BR BY BZ
CA CH CN CR CU CZ (utility model) DE (utility model) DK DM DZ EE (utility model)
ES FI (utility model) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD
SE SG SI SK (utility model) SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

International Patent Class: G06F-011/00; G06F-009/44; H04L-012/26

August 21, 2003

Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 13994

English Abstract

The invention relates to a system for providing customer requested services relating to - for instance - security, monitoring and/or data acquisition in relation to a data processing device and/or a data network (Target 1 - Target k) of a customer, wherein one or more of a plurality of tests are selected to be executed in relation to said data processing device and/or a data network (Target 1 - Target k), said selection (201; 202; 203; 210) of one or more tests are executed from a server (TSMADARS -server) which is connectable to said data processing devices and/or data network (Target 1 - Target k) via a communication network (140), and wherein data representing results of said selection of tests may be accessed by the customer via a communication network and/or transmitted to said customer. Hereby the customer or user will have the advantage that it will not be necessary to install/download special testing software on the data processing equipment in question. Thus, problems in relation to the execution of such testing software as well as problems concerning the acquisition of the test results and the analysis of such results may be avoided. Further, as it often will be advantageously to utilize two or more different types or makes of testing software applications/systems, the need to invest in a multitude of testing software applications will be avoided by the invention. Similarly, expenses and labour involved in updating such testing software and/or purchasing new software as the already purchased versions become outdated or obsolete will be avoided.

French Abstract

La presente invention concerne un systeme de fourniture de services demandes par un client se rapportant -par exemple- a la securite, a la surveillance et/ou a l'acquisition de donnees en liaison avec un dispositif de traitement de donnees et/ou un reseau de donnees (Cible 1-Cible k) d'un client, dans lequel un ou plusieurs tests existants sont selectionnees pour etre executes en liaison avec ledit dispositif de traitement de donnees et/ou un reseau de donnees (Cible 1-Cible k), ladite selection (201; 202; 203; 210) d'un ou de plusieurs test etant effectuee par un serveur (serveur TSMADARS) qui peut etre connecte aux dispositifs de traitement de donnees et/ou au reseau de donnees (Cible 1 - Cible k) via un reseau de communication (140), lesdites donnees representant les resultats pouvant etre obtenues par un client qui y accede par l'intermediaire d'un reseau de communication ou bien ces donnees pouvant etre transmises au client. De cette maniere, le client ou l'utilisateur beneficie du fait qu'il n'est pas necessaire pour lui d'installer/telecharger des logiciels de test specifiques sur le materiel de traitement de donnees concerne. On evite ainsi les problemes lies a l'execution de tels logiciels de test ainsi que les problemes lies a l'acquisition des resultats de test et a l'analyse de ces memes resultats. En outre, etant donne qu'il est souvent judicieux d'utiliser au moins deux types ou structures differents d'applications/systemes de logiciels de test, cette invention evite de devoir investir dans une multitude d'applications de logiciels de test. De meme, cette invention evite les depenses et le travail necessaires pour actualiser ces logiciels de test et/ou pour acheter de nouveaux logiciels lorsque les versions deja achetees deviennent depassees ou obsoletes.

Legal Status (Type, Date, Text)

Publication 20020801 A1 With international search report.

Examination 20021219 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:

Claims

Claim

... intended data traffic. When, as stated in claim the said destination address (802) comprises an IP -address or generally, addresses related to other types of protocols and where the said source address comprises an IP -address or an address related to other types of protocols, a further advantageous embodiment of...

...traffic of traditional data networks may thus be monitored and controlled by evaluation of said IP addresses, destination and/or source addresses, of the data packets. When, as stated in claim...

liqp://www.abedefg.&@pricelist.html).

Bottlenecks (network traffic analyzer@

Measurements of performance through network for " **bottlenecks** " and causal **analysis** hereof.

(Example: **Congestion** at router 212 xy.z: TCP peak=5000 bit/s at 4:15 PM).

TELE:

War dialina

Systematic search of active numbers in operative systems of **PBX** , for which numbers a carrier detection (answering tone) is present. Example: 12345678 Carrier at 300...

...Service) test

Systematic search of possible "not in service" weaknesses in the operative systems of **PBX** by means of complex ...o.S test for SEC).

BruteForce/intrusion

Systematic, combinational login attempts through active numbers of **PBX** (Telephone switching central):

(Example: similar to example for BruteForce/intrusion for SEC).

UBA-user behaviour agent (LOG files

Systematic search of log files of **PBX** for abnonnal behaviour.

(Examples will be given later in the following)

AUDIT:

Audilprograrn

Scheduling of...

...SECINFO:

Scanning

I 0 Surveying of newly discovered vulnerabilities/weaknesses on particular network units and **PBX** 'es.

(Example: 190101: ABCD MIX Dos vulnerability on versions with IOY 12 3. See www...

...Collecting of technical security and quality information concerning "best buy" (comparisons) concerning network units and **PBX** 'es with ongoing surveying with regard to relevant updatings. (Example: An updated buyers guide).

Alerts...address or the like identifying the data processing system and/or network, for example an IP -address "abc.defgY or an address related to other types of protocols. After the listing...

...as in relation to these software applications only few pieces of information, for example an IP address or addresses, other types of addresses, telephone number/numbers, initial starting points of time...

22/5,K/9 (Item 8 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00922961 **Image available**

METHOD AND SYSTEM FOR MANAGING INTERNET CALL CENTERS

PROCEDE ET SYSTEME PERMETTANT DE GERER DES CENTRES D'APPELS INTERNET

Patent Applicant/Assignee:

August 21, 2003

TELESPEAR (MASHOV) TECHNOLOGIES LTD, 38 Ben Gurion St., 52180 Ramat Gan, IL, IL (Residence), IL (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

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SHARABANI David, 3 Hayasmin St., 52500 Ramat Gan, IL, IL (Residence), IL (Nationality), (Designated only for: US)

Legal Representative:

FRIEDMAN Mark M (agent), Beit Samueloff, 7 Haomanim, 67897 Tel Aviv, IL, Patent and Priority Information (Country, Number, Date):

Patent: WO 200256127 A2-A3 20020718 (WO 0256127)

Application: WO 2002IL36 20020116 (PCT/WO IL0200036)

Priority Application: US 2001261194 20010116

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-015/16

International Patent Class: H04L-012/66; H04M-003/50; H04M-003/523;

H04M-007/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 3718

English Abstract

A PBX-based call center (40) retrofitted to enable the center's agents to handle both conventional telephonic calls via PBX (16) and data sessions on a computer network, and a method for its use. Each agent is supplied with a telephone (18), a computer (34), and a agent identification unit (AIU) (44) for sending network identification details of the computer (34) as outbound telephony signals to the PBX (16) via the telephone (18). When a server (30) receives an incoming data packet requesting the establishment of a data session with an agent, an incoming call generator (ICG) (42) sends a ring signal to the PBX (16) to request a link to an agent's telephone (18). When the selected agent answers the designated telephone (18), the ICG (42) sends to the designated telephone (18) interrogation telephony signals including a request for the network identification details. In response, the AIU (44) sends the network identification details as identification telephony signals.

French Abstract

L'invention concerne : un centre d'appels base sur un autocommutateur prive adapte afin de permettre aux agents du centre de traiter a la fois les appels telephoniques classiques via un autocommutateur prive et les sessions de donnees sur un reseau informatique ; et un procede d'utilisation dudit centre d'appels. Chaque agent est muni d'un telephone, d'un ordinateur et d'une unite d'identification d'agent (AIU) afin d'envoyer a l'autocommutateur prive des details d'identification de reseau de l'ordinateur sous forme de signaux telephoniques sortants par telephone. Lorsqu'un serveur recoit un paquet de donnees d'arrivee demandant l'etablissement d'une session de donnees avec un agent, un generateur d'appels d'arrivee (ICG) envoie a l'autocommutateur prive un signal de sonnerie afin de demander une liaison avec le telephone de l'agent. Lorsque l'agent choisi repond au telephone designe, le generateur d'appels d'arrivee envoie au telephone designe des signaux telephoniques d'interrogation comprenant une demande de details d'identification de reseau. En reponse, l'unite d'identification d'agent

August 21, 2003

envoie les details d'identification de reseau sous forme de signaux
telephoniques d'interrogation.

Legal Status (Type, Date, Text)

Publication 20020718 A2 Without international search report and to be
republished upon receipt of that report.

Search Rpt 20030220 Late publication of international search report

Republication 20030220 A3 With international search report.

Fulltext Availability:

Detailed Description

Detailed Description

... that can be handled by a call center.

Call center 40 includes, in addition to PBX 16 and agent telephones 18,
two classes of new hardware. The first class of hardware...

...of the agents of call center 40. The request is in the form of a packet
that includes caller identification details such as the IP address
of the caller's personal computer 22. In each personal computer 34 are
stored...

...address of that personal computer 34. Typically, the logical addresses
of personal computers 34 are IP addresses.. The second class of
hardware includes the hardware units of the present invention: an...

22/5,K/10 (Item 9 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00844660 **Image available**

DYNAMIC SELECTION OF A COMMUNICATION PATH

SELECTION DYNAMIQUE D'UNE VOIE DE COMMUNICATION

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(Nationality), (Designated only for: US)

ZELIKOVITZ Erez, 8 Rabinovich Street, 49281 Petach Tikva, IL, IL

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Legal Representative:

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Hasivim Street, 49517 Petach Tikva, IL,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200178335 A2-A3 20011018 (WO 0178335)

Application: WO 2001IL242 20010314 (PCT/WO IL0100242)

Priority Application: IL 135504 20000406

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR

KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE

SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04L-012/64

International Patent Class: H04Q-011/04

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 6298

English Abstract

An access integrated device that is operatively associated with a transport layer and an interface unit and adapted to receive coded voice signals is provided. The device comprising: a mode selector adapted to select one of a plurality of modes of mapping the coded voice signals for transmission over a transport layer, and a voice signal mapper operatively associated with the mode selector and the transport layer and operative to map the coded voice signals according to the one of the plurality of modes of mapping the coded voice signals selected by the mode selector, thereby generating mapped voice signals suitable for transmission over the transport layer.

French Abstract

L'invention concerne un dispositif integre d'accès en liaison cooperante avec une couche de transport et une unite d'interface et adapte pour la reception de signaux vocaux. Le dispositif est caracterise en ce qu'il comprend un selecteur de mode adapte pour selectionner l'une des pluralites de modes de mappage de signaux vocaux codes pour une transmission via une couche de transport, et un mapper de signal vocal en liaison cooperante avec le selecteur de mode et la couche de transport et fonctionnant de maniere a mapper les signaux vocaux codes conformement a l'une des pluralites de modes de mappage des signaux vocaux codes selectionnes par le selecteur de mode, de maniere a generer des signaux vocaux mappes convenant pour la transmission via la couche de transport.

Legal Status (Type, Date, Text)

Publication 20011018 A2 Without international search report and to be
republished upon receipt of that report.
Search Rpt 20020328 Late publication of international search report
Republication 20020328 A3 With international search report.
Examination 20030501 Request for preliminary examination prior to end of
19th month from priority date

Fulltext Availability:

Claims

Claim

... sessions, each voice
session may independently be switched to the PSTN 20 or to
the IP network 25 in accordance with the switching scheme
12
of the communication system 10.
Reference...

...modes of mapping the coded voice
frames may preferably include at least the following: a
voice over Internet Protocol (VoIP) mode; and a voice over
14
ATM (VoATM) mode.
In a preferred embodiment of...that certain AAL2 cells (as
determined by the controlling means) are converted into
their appropriate IP form (e.g. using RTP) and transmitted
via router 35 and along IP network 25.
It is appreciated that external control of the
mode selector 115 as mentioned...

...a network configuration determination; a predetermined
communication load in the communication system 10; a
15
determination of congestion of voice sessions; a
determination of failure of one of the communication
routes; a load...

...the

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coded voice frames to provide VoIP frames in the conventional format Frame/RTP/UDP/ IP /AALS/ATM, and a processor 130 that maps the coded voice frames to provide VoATM...

...Protocol, the term "UDP" refers to User Datagram Protocol, the term "IE'ff refers to Internet Protocol and the term "AAL" refers to ATM Adaptation Layer. The terms "AAL2" and "AALS..."

...IAD 50. In a configuration in which the telephone 40 is operatively associated with the PBX 55f the voice information may be provided to the IAD 50 via the PBX 55. In the IAD 50, the voice information is converted to voice signals in PCM...

...coded voice frames so as to provide VoIP frames in the format Frame/RTP/UDP/ IP /AALS/ATM and provides the VoIP frames to the xDSL modem 150 via the ATM...

...other criteria. The plurality of modes of mapping the coded voice frames preferably includes: a voice over Internet Protocol (VoIP) mode; and a voice over ATM (

22/5,K/11 (Item 10 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00834131 **Image available**

FAX-THROUGH DATA NETWORK AND REMOTE ACCESS SYSTEM

RESEAU DE DONNEES A TRANSMISSION DE TELECOPIES ET SYSTEME D'ACCES A DISTANCE

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Patent Applicant/Inventor:

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SERN Pei, 6392 Desert Flame Drive, San Jose, CA 95120, US, US (Residence)
, US (Nationality), (Designated only for: US)

Legal Representative:

ANANIAN R Michael (et al) (agent), Flehr Hohbach Test Albritton & Herbert
LLP, 4 Embarcadero Center, Suite 3400, San Francisco, CA 94111-4187, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200167739 A1 20010913 (WO 0167739)
Application: WO 2001US7071 20010306 (PCT/WO US0107071)
Priority Application: US 2000519839 20000306

Parent Application/Grant:

Related by Continuation to: US 2000519839 20000306 (CIP)

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR
KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE

SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04N-001/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

August 21, 2003

Claims

Fulltext Word Count: 27938

English Abstract

A FAX-through data network (100) includes a receiver side LAN end station (108) and a sender side LAN end station (110). A first converter (120) receives a FAX communication from the sender FAX (104) and generates a FAX packet (112), which includes a receiver FAX-network ID. A FAX-network server (150) receives the FAX packet (112), extracts the receiver FAX-network ID, performs a lookup of a destination IP address in a mapping table (900) and forwards the FAX packet (112) to the destination IP address. Multiple mapping tables (902, 906, 908, 912) can be distributed in a hierarchical fashion, allowing querying and updating of multiple lookup tables as needed. A second converter (170) intercepts and identifies the FAX packet (112), extracts the FAX communication from the FAX packet (112), establishes a communication with the receiver FAX (106) without routing a signal through the PSTN and transmits the FAX communication to the receiver FAX machine (106).

French Abstract

La presente invention concerne un reseau de donnees a transmission de telecopies (100), comprenant un poste terminal de LAN de reception (108) et un poste terminal de LAN d'emission (110). Un premier convertisseur (120) recoit une communication de telecopie a partir d'un telecopieur d'emission (104) et produit un paquet de telecopie (112) qui comprend une identification de reseau de telecopie de reception. Un serveur de reseau de telecopie (150) recoit le paquet de telecopie (112), extrait l'identification de reseau de telecopie de reception, consulte une adresse IP de destination dans une table de correspondances (900) et envoie le paquet de telecopie (112) a l'adresse IP de destination. De multiples tables de correspondances (902, 906, 908, 912) peuvent etre reparties d'une maniere hierarchique, permettant la consultation et la mise a jour de multiples tables de consultation en fonction des besoins. Un second convertisseur (170) intercepte et identifie le paquet de telecopie (112), extrait la communication de telecopie du paquet de telecopie (112), etablit une communication avec le telecopieur de reception (106) sans que le routage d'un signal par RTPC ne soit necessaire, et transmet la communication de telecopie au telecopieur de reception (106).

Legal Status (Type, Date, Text)

Publication 20010913 A1 With international search report.

Publication 20010913 A1 With amended claims.

Examination 20020516 Request for preliminary examination prior to end of 19th month from priority date

Correction 20030103 Corrected version of Pamphlet: pages 1/36-36/36, drawings, replaced by new pages 1/41-41/41; due to late transmittal by the receiving Office

Republication 20030103 A1 With international search report.

Republication 20030103 A1 With amended claims.

Fulltext Availability:

Detailed Description

Detailed Description

... transmitted to the sender side end station 170. A session port number and a source IP address of the network packets 139f 186 are then analyzed in order to identify and...

...186. A network packet 139/186 transmitted to the LAN end station I 10 is identified as a FAX packet 186 when the session port number matches the predefined session port number and the source IP address matches an IP address of the FAXnetwork server 150. A FAX receive buffer 144 stores the FAX packet...

August 21, 2003

...the sender FAX machine 104A without routing a signal through the PSTN by using a **PBX** emulation device (not shown) as known in the art.

FIG. 1 1 depicts the second...

22/5,K/12 (Item 11 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00806383

COLLABORATIVE CAPACITY PLANNING AND REVERSE INVENTORY MANAGEMENT DURING DEMAND AND SUPPLY PLANNING IN A NETWORK-BASED SUPPLY CHAIN ENVIRONMENT AND METHOD THEREOF

PLANIFICATION EN COLLABORATION DES CAPACITES ET GESTION ANTICIPEE DES STOCKS LORS DE LA PLANIFICATION DE L'OFFRE ET DE LA DEMANDE DANS UN ENVIRONNEMENT DE CHAINE D'APPROVISIONNEMENT FONDEE SUR LE RESEAU ET PROCEDE ASSOCIE

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(Residence), US (Nationality)

Inventor(s):

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Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 1400 Page Mill Road, Palo Alto, CA 94304, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139029 A2 20010531 (WO 0139029)

Application: WO 2000US32309 20001122 (PCT/WO US0032309)

Priority Application: US 99444655 19991122; US 99444886 19991122

Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 157840

English Abstract

French Abstract

Legal Status (Type, Date, Text)

Publication 20010531 A2 Without international search report and to be republished upon receipt of that report.

Examination 20011206 Request for preliminary examination prior to end of 19th month from priority date

Declaration 20030103 Late publication under Article 17.2a

Republication 20030103 A2 With declaration under Article 17(2)(a); without abstract; title not checked by the International Searching Authority.

Fulltext Availability:

Detailed Description

August 21, 2003

Detailed Description

... Packet switched networks, which predominate the computer network industry, divide data into small pieces called **packets** that are multiplexed onto high capacity internetwork connections. A **packet** is a block of data with a strict upper limit on block size that carries with it sufficient identification necessary for delivery to its destination. Such **packets** usually contain several hundred bytes of data and occupy a given transmission line for only...

22/5,K/13 (Item 12 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00803938 **Image available**

VIRTUAL PBX SYSTEM

SYSTEME PBX VIRTUEL

Patent Applicant/Assignee:

MCI WORLDCOM INC, 515 East Amite Street, Jackson, MI 39201, US, US
(Residence), US (Nationality)

Inventor(s):

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MOEY Anthony W S, 1495 Hilltop Drive, Coralville, IA 52241, US,
O'BRIEN Mark J, Apartment C23, 285 Robins Road, Hiawatha, IA 52233, US,
HANSON Joel K, 114 S. Booth, Anamosa, IA 52205, US,

Legal Representative:

GROLZ Edward W (et al) (agent), Scully, Scott, Murphy & Presser, 400
Garden City Plaza, Garden City, NY 11530, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200137529 A1 20010525 (WO 0137529)

Application: WO 2000US31784 20001117 (PCT/WO US0031784)

Priority Application: US 99441741 19991117

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04M-003/42

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 9149

English Abstract

A private branch exchange (PBX) (118) system that routes calls within a packet-switching network (106). Login information is received from a data device (102). The login information includes an alias identifying a user at the data device (102) and a network address identifying the location of the data device (102) on the packet-switching network (106). The virtual private branch exchange system associates the user's PBX (118) extension with the network address and routes calls to the user's PBX (118) extension to the data device (102) on the basis of the network address of the data device (102).

French Abstract

Cette invention concerne un systeme autocommutateur prive virtuel (PBX) (118) qui assure l'acheminement d'appels au sein d'un reseau de commutation de paquets (106). L'information de connexion est recue d'un dispositif de donnees (102). Cette information renferme un alias

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permettant d'identifier un utilisateur au niveau du dispositif de donnees (102) et une adresse reseau pour la localisation dudit dispositif dans le reseau de commutation de paquets (106). Le systeme autocommutateur prive virtuel associe l'extension PBX (118) de l'utilisateur a l'adresse reseau et achemine les appels vers ladite extension (118) du dispositif de donnees (102) sur la base de l'adresse reseau de ce dispositif.

Legal Status (Type, Date, Text)

Publication 20010525 A1 With international search report.

Examination 20010927 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:

Detailed Description

Detailed Description

... and 104 in Figure 1) connected to the packet-switching network on which the virtual **PBX** system is implemented. In the examples shown in Figure 4, the network addresses are **IP** addresses, and thus, the Internet can be used as the packet-switching network 106. The...

...associated with that group ID number and user extension number are logged onto the vifWal **PBX** system (i.e., that user is "online"). The absence of an address in the field...

...402 and the corresponding user extension in field 404 is not logged into the virtual **PBX** system I 00 (i.e., that user is "offline").

Accordingly, when a user logs in...

...e.g., the IP address of the user's data device) is created in the **packet network locations** record 300 and associated with the user's virtual **PBX** extension and group ID number. In this manner, the present invention is able to dynamically track the locations of users of the virtual **PBX** system I 00 by storing the network address of the data device through which the user has logged onto the virtual **PBX** system 100. As an example of the flexibility and convenience that the virtual **PBX** I 00 of the present invention provides, a user could (1) participate in a telephone...an IP address is associated with the destination user's virtual **PBX** extension in the **packet network locations** record 400. If an **IP** address is associated with the destination user's virtual **PBX** extension, then the destination user is determined to be online. If the destination user is online, then in step 806 the directory accesses the **packet network locations** record 400 to find the network address of the destination user's data device. The...

22/5,K/14 (Item 13 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00786021

SYSTEM AND METHOD FOR THE SYNCHRONIZATION AND DISTRIBUTION OF TELEPHONY TIMING INFORMATION IN A CABLE MODEM NETWORK

SYSTEME ET PROCEDE DESTINE A LA SYNCHRONISATION ET A LA DISTRIBUTION D'INFORMATIONS DE SYNCHRONISATION TELEPHONIQUES SUR UN RESEAU MODEM CABLE

Patent Applicant/Assignee:

BROADCOM CORPORATION, 16215 Alton Parkway, Irvine, CA 92618-3616, US, US
(Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

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(Residence), US (Nationality), (Designated only for: US)

DENNEY Lisa V, 16215 Alton Parkway, Irvine, CA 92618-3616, US, US
(Residence), US (Nationality), (Designated only for: US)

August 21, 2003

Legal Representative:

GELFOUND Craig A (agent), Christie, Parker & Hale, LLP, P.O. Box 7068,
Pasadena, CA 91109-7068, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200119005 A1 20010315 (WO 0119005)

Application: WO 2000US24405 20000905 (PCT/WO US0024405)

Priority Application: US 99152254 19990903

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04J-003/06

International Patent Class: H04N-007/173; H04L-012/28

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 112078

English Abstract

A method for synchronizing clocks in a packet transport network. The method comprises, receiving an external network clock at a central packet network node and transmitting timing information to a plurality of packet network devices, the timing information based upon the external network clock. The method further comprises, transmitting and receiving data that is synchronized to the timing information to a plurality of connected packet network devices. And finally, delivery of packets to an external interface via a packet network that contains data synchronized to the external network clock.

French Abstract

L'invention concerne un procede destine a synchroniser des horloges dans un reseau de transmission d'informations par paquets. Le procede consiste a recevoir l'horloge d'un reseau externe dans un noeud de reseau de paquet central et a transmettre les informations de synchronisation a une pluralite de dispositifs de reseaux de commutation par paquets, les informations de synchronisation etant basees sur l'horloge du reseau externe. Le procede consiste egalement a transmettre et a recevoir des donnees synchronisees avec les informations de synchronisation et a les transmettre a une pluralite de dispositifs de reseaux de commutation par paquets. Le procede consiste enfin a livrer des paquets a une interface externe via un reseau de paquets contenant des donnees synchronisees avec l'horloge du reseau externe.

Legal Status (Type, Date, Text)

Publication 20010315 A1 With international search report.

Publication 20010315 A1 Before the expiration of the time limit for
amending the claims and to be republished in the
event of the receipt of amendments.

Examination 20010705 Request for preliminary examination prior to end of
19th month from priority date

Fulltext Availability:

Detailed Description

Detailed Description

... or octets to the left.

VOHN signaling messages are data link layer frames that are **identified**
by a new IEEE

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0
assigned Ethertype value in the frame header.

Field Length Meaning...embodiment, if the signaling service event is triggered by the near end telephony device, the **packet** tone exchange will generate dial tone. Once a DTMF tone is detected, the dial tone...

22/5,K/15 (Item 14 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00784184 **Image.available**

A SYSTEM, METHOD FOR FIXED FORMAT STREAM COMMUNICATION IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT

SYSTEME, PROCEDURE ET ARTICLE POUR FLUX DE FORMAT FIXE DANS UN ENVIRONNEMENT A CONFIGURATIONS DE SERVICES DE COMMUNICATION

Patent Applicant/Assignee:

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(Residence), US (Nationality)

Inventor(s):

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Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly LLP, P.O. Box 52037, Palo Alto, CA 94303-0746, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200117194 A2-A3 20010308 (WO 0117194)

Application: WO 2000US24114 20000831 (PCT/WO US0024114)

Priority Application: US 99386430 19990831

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ
DE DK DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL
TJ TM TR TT UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04L-029/06

International Patent Class: G06F-017/22; H04L-029/12

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 149954

English Abstract

A system, method, and article of manufacture provide a fixed format stream-based communication system. A sending fixed format contract on interface code is defined for a sending system. A receiving fixed format contract on interface code is also defined for a receiving system. A message to be sent from the sending system to the receiving system is translated based on the sending fixed format contract. The message is then sent from the sending system and subsequently received by the receiving system. The message received by the receiving system is then translated based on the receiving fixed format contract.

French Abstract

L'invention concerne un systeme, un procede et un article pour systeme de communication a flux de format fixe. Un contrat de format fixe de transmission sur code d'interface est defini pour un systeme de transmission. Un contrat de format fixe de reception sur code d'interface est egalement defini pour un systeme de reception. Un message destine a etre envoye du systeme de transmission au systeme de reception est

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converti sur la base du contrat de format fixe de transmission. Le message est ensuite transmis depuis le systeme de transmission, puis il est recu par le systeme de reception et converti sur la base du contrat de format fixe.

Legal Status (Type, Date, Text)

Publication 20010308 A2 Without international search report and to be republished upon receipt of that report.

Examination 20010816 Request for preliminary examination prior to end of 19th month from priority date

Search Rpt 20020103 Late publication of international search report

Republication 20020103 A3 With international search report.

Fulltext Availability:

Claims

Claim

... fabric. Switching can be implemented in the following ways:

For some network protocols (e.g., IP), routers draw upon dynamic routing

information to switch packets to the appropriate path. This capability...

...to multiple recipients. The following are examples of protocols that provide Packet Forwarding/hitemetworking:

rP (Internet Protocol)

IP Multicast (emerging standard that uses a special range of IP addresses to instruct network routers to deliver each packet to all users involved in a...

...network components that perform Packet

Forwarding/Internetworking:

routers

switches

173

ATM switches, Frame Relay switches, IP switches, Ethernet switches, Token Ring switches, etc. The following are examples of protocols that maintain...

...routing metrics); routing decisions based on the total distance and other "costs" for each path.

IP and IPX Routing Information Protocols (RIP)

AppleTalk Routing Table Management Protocol (RTMP)

Ciscos Interior Gateway...

...products; Alcatels SX products; AltiGens AltiServ; Lucent's Internet Telephony

Server

The following are examples of PBX products, which perform circuit switching within private

telephone networks:

Lucent's Definity

Nortel's Meridian...

...DSX products

Alcatel's SX products

The following is an example of a PC-based PBX system:

AltiGen's AltiServ - PC-based PBX system for a small branch office or a low-volume ...only authorized data transfers can occur. This filtering is one of the roles of a packet filtering firewall. (A firewall

177

is a system that enforces an access control policy between...

...algorithms, and other parameters for the connection before any communications take place; operates in the IP layer and supports TCP or LJDP. IPSec will be included as part of JPNg, or the next generation of IP .

Implementation considerations

Firewalls can also provide a single point of access to the company's network...

...VPN

Racal's Datacryptor 64F

The following are examples of products that perform Transport-level packet filtering:
firewalls:

Check Point FireWall-1 - combines Internet, intranet and remote user access control with strong authentication, encryption...

...to network users and supports multiple protocols.

Secure Computing's BorderWare Firewall Server protects TCP/ IP networks from unwanted external access as well as provides control of internal access to external...

...network node to ask a central resource for the node's network address (e.g., IP address):

DHCP (Dynamic Host Configuration Protocol)

BootP (Bootstrap Protocol)

Quality of Service 2414

1 5...the Internet Engineering Task Force (IETF), allows applications to reserve router bandwidth for delay-sensitive IP traffic. With RSVP, QoS is negotiated for each application connection. RSVP enables the network to...

...across a variety of network technologies, as long as all intermediate nodes are RSVP-capable. IP Stream Switching - improves network performance but does not guarantee QoS. IP Switching - IP Switching is an emerging technology that can increase network throughput for streams of data by combining IP routing software with ATM switching hardware. With IP Switching, an IP switch analyzes each stream of packets directed from a single source to a specific destination ...

...or long-lived. Long-lived flows are assigned ATM Virtual Channels (VCs) that bypass the IP router and move through the switching fabric at the full ATM line speed. Short-lived flows continue to be routed through traditional store-and-forward transfer. Tag Switching - Like IP Switching, emerging Tag Switching technology also improves network throughput for IP data streams. Tag Switching aggregates one or more data streams destined for the same location...

...configured to handle legacy mainframe traffic (SNA) in front of other traffic (e.g., TCP/ IP). A similar technique is the use of prioritized circuits within Frame Relay, in which the...

...shared physical media by "listening" until no other transmissions are detected and then transmitting and **checking** to see if simultaneous transmission occurred. to token passing - A method of managing access to ...

...physical addresses like Ethernet) and the Packet Forwarding/Internetworking level (i.e., network addresses like IP). The following protocols are examples of this functionality: ARP (Address Resolution Protocol) - allows a node to obtain the physical address for another node when only the IP address is known. RARP (Reverse Address Resolution Protocol) - allows a node to obtain the IP address for another node when only the physical address is known. Possible Product Options Semaphores...

August 21, 2003

22/5,K/16 (Item 15 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00784119

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A REFRESHABLE PROXY POOL IN
A COMMUNICATION ENVIRONMENT
SYSTEME, PROCEDE ET ARTICLE POUR GROUPE D'ELEMENTS MANDATAIRES (PROXY)
RAFFRAICHISSABLES DANS UN ENVIRONNEMENT A CONFIGURATIONS DE SERVICES DE
COMMUNICATION

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
(Residence), US (Nationality)

Inventor(s):

BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918
, US,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly LLP, 1400 Page Mill
Road, Palo Alto, CA 94304, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200116668 A2-A3 20010308 (WO 0116668)

Application: WO 2000US24113 20000831 (PCT/WO US0024113)

Priority Application: US 99386239 19990831

Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE
DK DM DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL
TJ TM TR TT TZ UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-009/46

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 149976

English Abstract

A system, method, and article of manufacture are provided for interfacing
a naming service and a client with the naming service allowing access to
a plurality of different sets of services from a plurality of globally
addressable interfaces. The naming service calls for receiving locations
of the global addressable interfaces. As a result of the calls, proxies
are generated based on the received locations of the global addressable
interfaces. The proxies are received in an allocation queue where the
proxies are then allocated in a proxy pool. Access to the proxies in the
proxy pool is allowed for identifying the location of one of the global
addressable interfaces in response to a request received from the client.

French Abstract

L'invention concerne un systeme, un procede et un article permettant
d'assurer l'interface entre un service de denomination et un client, le
service de denomination donnant acces a plusieurs series de services a
partir de plusieurs interfaces globalement adressables. Le service de
denomination etablit des appels pour recevoir les emplacements des
interfaces globalement adressables. Suite aux appels en question, les
elements proxy sont etablis sur la base des emplacements recus pour les
interfaces globalement adressables. Ces elements sont recus dans une file
d'attente d'affectation puis attribues a un groupe d'elements proxy
depuis la file d'attente. L'accès aux elements de ce groupe est autorise
pour identifier l'emplacement de l'une des interfaces globalement
adressables, en reponse a une demande recue de la part d'un client.

August 21, 2003

Legal Status (Type, Date, Text)

Publication 20010308 A2 Without international search report and to be
republished upon receipt of that report.
Examination 20010809 Request for preliminary examination prior to end of
19th month from priority date
Search Rpt 20020221 Late publication of international search report
Republication 20020221 A3 With international search report.

Fulltext Availability:

Claims

Claim

... fabric. Switching can be implemented in the following ways:
For some network protocols (e.g., IP), routers draw upon dynamic
routing
information to switch packets to the appropriate path. This capability...

...message to multiple recipients. The following are examples of protocols
that provide Packet Forwarding/Internetworking:

IP (Internet Protocol)

IP Multicast (emerging standard that uses a special range of IP
addresses to instruct network routers to deliver each packet to all users
involved in a...

...routing metrics); routing decisions based on the total distance and
other "costs" for each path.

IP and LPX Routing Information Protocols (RIP)
AppleTalk Routing Table Management Protocol (RTMP)
Ciscos Interior Gateway...

...products; Alcatels SX products; AltiGens AltiServ; Lucent's Internet
Telephony

Server

The following are examples of PBX products, which perform circuit
switching within private
telephone networks:

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Nortel's Meridian

The...

...DSX products

Alcatel's SX products

The following is an example of a PC-based PBX system:

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algorithms, and other parameters for the connection before any
communications take place; operates in the IP layer and supports TCP or
UDP. IPsec will be included as part of IPng, or the next generation of
IP.

Implementation considerations

Firewalls can also provide a single point of access to the company's
network...

...VPN

Racal's DataCryptor 64F

The following are examples of products that perform Transport-level
packet filtering:
firewalls:

Check Point Firewall-1 - combines Internet, intranet and remote user
access control with strong authentication, encryption...

...to network users and supports multiple protocols.

Secure Computing's BorderWare Firewall Server protects TCP/IP networks
from unwanted external access as well as provides control of internal
access to external...

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...network node to ask a central resource for the node-s network address (e.g., IP address):
DHCP (Dynamic Host Configuration Protocol)
BootP (Bootstrap Protocol)
Quality ofService 2414
Different types of...across a variety of network technologies, as long as all intermediate nodes are RSVP-capable. IP Stream Switching - improves network performance but does not guarantee QoS. IP Switching - E?
Switching is an emerging technology that can increase network throughput for streams of data by combining IP routing software with ATM switching hardware. With [P Switching, an IP switch analyzes each stream of packets directed from a single source to a specific destination...

...or long-lived. Long-lived flows are assigned ATM Virtual Channels (VCs) that bypass the IP router and move through the switching fabric at the full ATM line speed. Short-lived flows continue to be routed through traditional store-and-forward transfer. Tag Switching - Like IP Switching, emerging Tag Switching technology also improves network throughput for IP data streams. Tag Switching aggregates one or more data streams destined for the same location...

...183
Packet Transfer - The Media Access service uses the data link communications protocol to frame packets and transfer them to another computer on the same network/subnetwork. Shared Access - The Media...
...physical addresses like Ethernet) and the Packet Forwarding/Internetworking level (i.e., network addresses like IP). The following protocols are examples of this functionality: ARP (Address Resolution Protocol) - allows a node to obtain the physical address for another node when only the IP address is known. RARP (Reverse Address Resolution Protocol) - allows a node to obtain the IP address for another node when only the physical address is known.
Possible Product Options
Semaphores...

22/5,K/17 (Item 16 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00759654 **Image available**

**METHOD AND SYSTEM FOR IP-BASED CALLED PARTY BILLING
PROCEDE ET SYSTEME DE FACTURATION DE L'APPEL DEMANDE FONDES SUR LE
PROTOCOLE IP**

Patent Applicant/Assignee:

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US (Residence), US (Nationality), (For all designated states except:
US)

Patent Applicant/Inventor:

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(Residence), US (Nationality), (Designated only for: US)
NETHERCOTT Kevin L, 1485 Prince Edward Way, Sunnyvale, CA 94087, US, US
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

TACHNER Adam H (et al) (agent), Crosby, Heafey, Roach & May, Suite 2000,
Two Embarcadero Center, San Francisco, CA 94111, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200072571 A2-A3 20001130 (WO 0072571)
Application: WO 2000US14638 20000525 (PCT/WO US0014638)
Priority Application: US 99135739 19990525

Parent Application/Grant:

Related by Continuation to: US Not furnished (CIP)

Designated States: AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY

August 21, 2003

CA CH CN CR CU CZ CZ (utility model) DE DE (utility model) DK DK (utility model) DM DZ EE EE (utility model) ES FI FI (utility model) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KR (utility model) KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SK (utility model) SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW (EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04M-015/08

International Patent Class: H04L-012/14; H04M-007/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 5309

English Abstract

An apparatus and method are described for Internet Protocol ("IP")-based telephony in a third party and called party billing scenario. IP servers act as gateways for callers and perform administrative and ministerial actions to allow the called or a third party to be billed. In an exemplary international collect calling scenario, a user calls a first gateway from a telephone to initiate the collect call, whereupon the user is greeted with an automated message requesting the number the user is calling and the user's name or other identification for recordation and recognition. The gateway then encodes and packetizes the user's name for transmission across the Internet to a remote gateway, which checks for a billable called number having an available pre-paid balance or available credit. The remote gateway then places a call through a switch network to the called number, which, when answered, is informed of the calling party's name by replay of the recording. The called party may refuse or accept the call, initiating the forwarding of billing information to the proper local-exchange carrier, alternative billing arrangements by the caller, or termination of the call.

French Abstract

On decrit un appareil et un procede destines a un systeme telephonique fonde sur le protocole Internet (IP) dans un scenario de facturation d'appelle et de troisieme correspondant. Des serveurs IP agissent en tant que passerelles pour des appelants et executent des actions administratives et ministerielles qui permettent a l'appelle ou a un troisieme correspondant d'etre facture. Dans un scenario representatif d'appel international payable a l'arrivee, un utilisateur appelle une premiere passerelle a partir d'un telephone pour initier l'appel payable a l'arrivee, l'utilisateur est alors accueilli avec un message enregistre lui demandant le numero que l'utilisateur est en train d'appeler et le nom de l'utilisateur ou d'autres donnees d'identification en vue de leur enregistrement et de leur reconnaissance. La passerelle code alors le nom de l'utilisateur et le paquetise pour l'envoyer sur Internet jusqu'a une passerelle eloignee, qui verifie l'existence d'un numero d'appelle facturable ayant un solde prepaye disponible ou un credit utilisable. La passerelle eloignee envoie alors l'appel au numero appele par un reseau de commutation, ce numero appele etant, lorsqu'il repond, informe par la diffusion de l'enregistrement du nom de l'appelant demandeur. Le correspondant appelle peut refuser ou accepter l'appel, initier le transfert des informations de facturation a l'exploitant de centraux urbains competent, d'autres arrangements de facturation effectues par l'appelant ou bien mettre fin a la communication.

Legal Status (Type, Date, Text)

Publication 20001130 A2 Without international search report and to be republished upon receipt of that report.

Examination 20010308 Request for preliminary examination prior to end of

August 21, 2003

19th month from priority date
Search Rpt 20010614 Late publication of international search report
Republication 20010614 A3 With international search report.
Republication 20010614 A3 Before the expiration of the time limit for
amending the claims and to be republished in the
event of the receipt of amendments.

Fulltext Availability:
Claims

Claim

... or SS7
FIGe 1
Gateway Control Interface
SkyWare 98
OSP Managerneril, I
PSTN Board SPle IP "I Mwwgwisni
Call Managemen
OSP Ergm
Co Data Transpor
Packet Voice ControO
PSTN Call Contm...

...3
2
(e.g., Internet) 8
Telephone 4
I*
Gateway Gateway
NUN
5 Swi
LID
PBX /PABX
Gateway FIG,. 3
2 3
7
Netwo
(e.g., Internet)
Telephone LA,
Gateway Gateway...

...to initiate call.
105
Gateway greets user.
110
Gateway gathers call data and records user
identification data.
----- 7115
Gateway packetizes and encodes gathered data.
120
No
Yes FIGm 5
25
No a a le creditor...

...call and user
information in proper
format for transmission.
135
Place user's call across IP End
network.
140 1 5
End eplay user identification data. Route billing data.
160 45...

August 21, 2003

22/5,K/18 (Item 17 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00757929

METHODS FOR FAST DIAL-ON-DEMAND INTERNET ACCESS WITH ANALOG MODEMS AT USER SIDES, VIA PUBLIC SWITCHED TELEPHONE NETWORKS, ENABLING APPARENT USER'S FULL SESSION-CONTINUITIES

PROCEDES D'ACCES INTERNET PAR APPELS TELEPHONIQUE RAPIDES AVEC DES MODEMS ANALOGIQUES DU COTE DES UTILISATEURS, VIA LE RESEAU TELEPHONIQUE PUBLIC COMMUTE, EN EVITANT LES LONGUES NEGOCIATIONS DE MODEM ACTUELLES ET EN ASSURANT LA CONTINUITE DES SESSIONS

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200070826 A2 20001123 (WO 0070826)

Application: WO 2000GB1877 20000517 (PCT/WO GB0001877)

Priority Application: GB 9911484 19990518; GB 9913748 19990615

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04L-012/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 2413

English Abstract

The methods bypass present lengthy modem renegotiations (typically 20-30 seconds) to effect fast re-establishment of ISO Application-Oriented Layer communication link between user Application Programs/Browsers and Internet Service Provider, and enables complete session continuity without user being aware of noticeable difference due to frequent connections/disconnections of PSTN line. The methods at its most basic essence requires that the reconnecting incoming calls be routed to the same Port #/Modem unit/Data channel.

French Abstract

L'invention concerne des procedes permettant d'eviter les longues renegotiations de modems (generalement de 20 a 30 secondes) pour assurer le retablissement rapide des liaisons de communication a couches specialisees d'applications entre les programmes d'applications utilisateurs/navigateurs de reseau et le prestataire d'accès Internet. Ces procedes assurent la continuite totale d'une session sans que l'utilisateur puisse noter des differences dues a de frequentes connexions/deconnexions de la ligne du reseau telephonique public commute. Les procedes selon l'invention necessitent d'acheminer tous les appels entrants de reconnexion vers le meme numero de port, numero de port ou voie de donnees.

Legal Status (Type, Date, Text)

Publication 20001123 A2 Without international search report and to be republished upon receipt of that report.

Search Rpt 20010201 Late publication of international search report

Examination 20010315 Request for preliminary examination prior to end of 19th month from priority date

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Fulltext Availability:
Claims

Claim

... to
continue the same Session from where was left off retaining the same
assigned Session IP Address- user's Dial-on-Demand Software Package
reconnects the physical PSTN line whenever user...

...data to user and the physical PSTN line is
disconnected, user Dial-on-Demand Software Package upon detecting the
ISP's Caller-ID dials to reconnect the physical PSTN line.
. A method as claimed in Claim 1, said method having the PBX module
implemented by the ISP's Telecommunication Service Provider in the
Exchange Switching Software, customising...

...to continue the
same Session from where was left off retaining the same assigned Session
IP Address; user's Dial-on-Demand Software Package reconnects the
physical PSTN line whenever user...

...data to user and the
physical PSTN line is disconnected, user Dial-on-Demand Software
Package upon detecting the ISP's Caller-ID dials to reconnect the
physical PSTN line.
3 Method for...

22/5,K/19 (Item 18 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00754051 **Image available**

EXPANDED HOME LAN

RESEAU LOCAL DOMESTIQUE ETENDU

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200067457 A1 20001109 (WO 0067457)

Application: WO 2000IL244 20000427 (PCT/WO IL0000244)

Priority Application: IL 129753 19990504

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE

DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC

LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK

SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04M-011/06

International Patent Class: H04L-012/28

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 7538

English Abstract

A method, a system and equipment are described for expanding a home LAN (12) which comprises a home single telephone line (10) and supports a number of terminal devices (14, 16, 18, 19, 20) including a basic group of analog terminal devices (14, 16). The expanded home LAN (22, 56) can support at least one additional group of analog terminal devices (48, 66) without providing additional telephone line. The system comprises an RU module (26, 70) adapted to communicate with an access network (24, 54) via at least one telecommunication path (28, 72, 74) and utilizing a packetized data protocol, the RU module performing functions of MUX/DEMUX to transmit signals between the access network and the LAN (22, 56) in a form comprising packetized data. The system also comprises one or more NT modules (50, 68), operative to connect all analog terminal devices of the additional group(s) to the home single telephone line (36, 58), wherein each of the NT modules serves as an adapter between a packetized data protocol utilized by the RU module and a protocol of POTS interface used by the analog terminal devices connected to said NT module. The home LAN, being thus expanded, enables concurrent connection of any combination of its terminal devices to the access network.

French Abstract

L'invention concerne un procede, un systeme et du materiel permettant d'etendre un reseau local domestique (12) qui comprend une seule ligne telephonique domestique (10) et supporte un certain nombre de dispositifs de terminaux (14, 16, 18, 19, 20) notamment un groupe basique de dispositifs de terminaux analogues (14, 16). Le reseau local domestique etendu (22, 56) peut supporter au moins un groupe supplementaire de dispositifs de terminaux analogues (48, 66) sans ajout de ligne telephonique. Le systeme comprend un module d'unite a distance (26, 70) qui est concu pour communiquer avec un reseau d'accès (24, 54) par le biais d'au moins une voie de telecommunication (28, 72, 74) et utilise un protocole de donnees mises en paquet, le module d'unite a distance realisant des fonctions de multiplexeur/demultiplexeur pour transmettre des signaux entre le reseau d'accès et le reseau local (22, 56) sous une forme comprenant des donnees mises en paquet. Le systeme comprend egalement au moins un module de terminaison de reseau (50, 68) fonctionnant pour connecter tous les dispositifs de terminaux analogues des groupes supplementaires a la seule ligne telephonique domestique (36, 58). Dans ledit systeme, chacun des modules de terminaison de reseau sert d'adaptateur entre un protocole de donnees mises en paquet utilise par le module d'unite a distance et un protocole d'interface de service telephonique traditionnel utilise par des dispositifs de terminaux analogues connectes audit module de terminaison de reseau. Le reseau local domestique, ainsi etendu, permet des connexions simultanees de toute combinaison de ses dispositifs de terminaux au reseau d'accès.

Legal Status (Type, Date, Text)

Publication 20001109 A1 With international search report.

Publication 20001109 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Examination 20010104 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:

Claims

Claim

... signal i.e., a signal

multiplexed using the Time Division Multi lexing method. However, it

ip

may be, for example, an ATM signal.

The term "home single telephone line" is not...the newly introduced NT modules, packetized signals created by these modules are to be

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io recognized and distinguished from packetized signals of the digital terminal devices.
The RU module, as well as each of the...

...forwarded to the access
io network.

Likewise, the RU module can further be provided with PBX Private Branch Exchange) functions (c), according to which one group of the analog terminal devices is able to...

22/5,K/20 (Item 19 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00443927

A COMMUNICATION SYSTEM ARCHITECTURE
ARCHITECTURE D'UN SYSTEME DE COMMUNICATION

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SCHRAGE Bruce,
BAXTER Craig A,
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Patent and Priority Information (Country, Number, Date):

Patent: WO 9834391 A2 19980806
Application: WO 98US1868 19980203 (PCT/WO US9801868)
Priority Application: US 97794555 19970203; US 97794114 19970203; US 97794689 19970203; US 97807130 19970210; US 97798208 19970210; US 97795270 19970210; US 97797964 19970210; US 97800243 19970210; US 97798350 19970210; US 97797445 19970210; US 97797360 19970210

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Main International Patent Class: H04M-007/00

International Patent Class: H04M-003/48; H04L-012/64; H04L-029/06

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 156226

English Abstract

A system and method for routing telephone calls, data and other multimedia information through a hybrid network which may include transfer of information across the internet. Profile information is utilized by the system throughout the media experience for routing, billing, monitoring, reporting and other media control functions. The system can include prioritized routing. The system can also facilitate callback sessions and present a display to a caller via a web page that includes status information pertaining to the callback session. Calls and callbacks can also be routed over the hybrid network. Through use of the system, users can manage more aspects of a network than previously possible, and may control network activities from a central site.

French Abstract

La presente invention a trait a un procede et a un systeme destines a acheminer des appels telephoniques, des donnees et d'autres informations multimedia a travers un reseau hybride qui peut inclure le transfert d'informations par Internet. Les informations de profil sont utilisees par le systeme pendant toute la vie du support, notamment pour l'acheminement, la facturation, la surveillance, la transmission des donnees ainsi que pour d'autres fonctions de commande du support. Le systeme peut comprendre l'acheminement a priorite et peut egalement faciliter les sessions de rappels et presenter un affichage pour l'abonne demandeur via une page web qui renferme des informations d'etat en rapport avec la session de rappel. Les appels et les rappels peuvent egalement etre achemines a travers le reseau hybride. En employant ce systeme, les utilisateurs peuvent gerer beaucoup plus d'aspects relatifs au reseau qu'il n'etait possible auparavant, et peuvent aussi controler les activites du reseau depuis un site central.

Fulltext Availability:

Detailed Description

Detailed Description

... compressed

audio into PCM Audio, then transfers PCM audio to the PSTN Interface 290. Normal IP packets to be sent to other internet devices are handed by the packet classifier 293...

...for the packet based on the routing tables. The packets are placed upon an outbound **packet** queue for the selected outgoing network interface, and the packets are transferred to the high ...of an Internet or Intranet Directory Service that tracks the logged-in status and current IP address of the VNET user.

* A PC and a telephone is used to receive and...connection to the corporate Intranet.

3. A phone to PC call where the DAP or **PBX** triggers out to the Internet Directory Service to identify the terminating IP address and ITG for routing the call. The call is then routed through the PSTN...

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28/5,K/1 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00836144 **Image available**

NETWORKED INTERACTIVE TOY SYSTEM

SYSTEME DE JOUETS INTERACTIFS EN RESEAU

Patent Applicant/Assignee:

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PFEFFER Zvika, 10 Bezalel Street, 64683 Tel Aviv, IL, IL (Residence), IL
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Legal Representative:

SANFORD T COLB & CO (agent), COLB, Sanford, T. , P.O. Box 2273, 76122
Rehovot (et al), IL,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200169830 A2-A3 20010920 (WO 0169830)

Application: WO 2001IL248 20010314 (PCT/WO IL0100248)

Priority Application: US 2000189914 20000316; US 2000189915 20000316; US
2000189916 20000316; US 2000190874 20000321; US 2000191300 20000321; US
2000192011 20000324; US 2000192012 20000324; US 2000192013 20000324; US
2000192014 20000324; US 2000193697 20000331; US 2000193699 20000331; US
2000193702 20000331; US 2000193703 20000331; US 2000193704 20000331; US
2000195861 20000407; US 2000195862 20000407; US 2000195863 20000407; US
2000195864 20000407; US 2000195865 20000407; US 2000195866 20000407; US
2000196227 20000410; US 2000197573 20000417; US 2000197576 20000417; US
2000197577 20000417; US 2000197578 20000417; US 2000197579 20000417; US
2000200508 20000428; US 2000200513 20000428; US 2000200639 20000428; US
2000200640 20000428; US 2000200641 20000428; US 2000200647 20000428; US
2000203175 20000508; US 2000203177 20000508; US 2000203182 20000508; US
2000203244 20000508; US 2000204201 20000515; US 2000204200 20000515; US
2000207126 20000525; US 2000207128 20000525; US 2000208105 20000526; US
2000208390 20000530; US 2000208391 20000530; US 2000208392 20000530; US
2000209471 20000605; US 2000210443 20000608; US 2000210445 20000608; US
2000212696 20000619; US 2000215360 20000630; US 2000216237 20000705; US
2000216238 20000705; US 2000217357 20000712; US 2000219234 20000718; US
2000220276 20000724; US 2000221933 20000731; US 2000223877 20000808; US
2000227112 20000822; US 2000229371 20000830; US 2000229648 20000831; US
2000231105 20000908; US 2000231103 20000908; US 2000234883 20000925; US
2000234895 20000925; US 2000239329 20001010; US 2000253362 20001127; US
2000250332 20001129; US 2000254699 20001211; US 2001267350 20010208

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR
KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE
SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: A63H-033/00

Publication Language: English

Filing Language: English

August 21, 2003

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 189040

English Abstract

Networked interactive toys (100) have real time conversations with users using speech recognition. Toys (100) are connected to at least one interactive toy server which is connected to entertainment, education, sales promotion providers by internet communication systems. The connection may utilize telephone lines, cellular communication systems, coaxial cable, satellite, DSL or other broadband systems. Toys (100) may be connected by a wireless link to a computing device which provides internet connectivity. Content is provided to enable a user to form a relationship with the toy and is personalized for the user and their environment including location and time of use. The merge of Interactive Television techniques will enhance the content.

French Abstract

L'invention concerne un systeme de jouets interactifs en reseau. Les jouets interactifs tiennent des conversations en temps reel avec des utilisateurs, en utilisant de preference la reconnaissance vocale. Ils sont, de preference, connectes a au moins un serveur de jouet interactif, lui-meme connecte, de preference, a des fournisseurs de loisirs, d'enseignement, de promotion des ventes et d'autres contenus, eventuellement via des systemes de communication par Internet. Une telle connexion peut utiliser, par exemple, des lignes telefoniques, des systemes de communication cellulaire, des cables coaxiaux, un satellite, une ligne d'abonne numerique ou d'autres systemes a large bande. Les jouets interactifs peuvent etre connectes, via une liaison hertzienne, a un dispositif de calcul, tel qu'un ordinateur personnel, un decodeur interactif de television ou a une unite de base qui met en oeuvre une connexion par Internet pour le jouet. Les jouets interactifs peuvent supporter des communications par satellite ou par mobile cellulaire. Ces jouets permettent a un utilisateur d'obtenir des contenus de loisir, d'enseignement, de promotion des ventes et d'autres contenus. Le contenu est fourni aux utilisateurs pour leurs jouets ce qui permet aux jouets de creer des relations avec les utilisateurs. En outre, les jouets interactifs utilisent des bases de connaissance utilisateur afin de correspondre a l'historique, aux comportements et aux habitudes de l'utilisateur concernant les loisirs, l'enseignement et la promotion des ventes. Le contenu est ainsi personnalise a un utilisateur individuel ainsi qu'a son environnement, y compris son domicile et le moment auquel le jouet est utilise. L'integration de contenus, tel que ceux de loisir, d'enseignement et de promotion des ventes est amelioree par la fusion de techniques de television interactive avec des jouets interactifs.

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Search Rpt 20020620 Late publication of international search report

Republication 20020620 A3 With international search report.

Republication 20020620 A3 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Examination 20021010 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:

Detailed Description

Detailed Description

... help-lines and the like. In this case, the server offers the smoker a holiday **package**. The toy simulates human conversation in a friendly and humorous way and behaves as "a...a toy fails to recognize a user's statement. For example, whenever a system cannot **convert** a user's

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voice into a text that fits into a currently running interactive script
then details of such...

August 21, 2003

29/5,K/1 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01000979

THE PFN/TRAC SYSTEM"sup"TM FAA UPGRADES FOR ACCOUNTABLE REMOTE AND ROBOTICS
CONTROL TO STOP THE UNAUTHORIZED USE OF AIRCRAFT AND TO IMPROVE
EQUIPMENT MANAGEMENT AND PUBLIC SAFETY IN TRANSPORTATION
PERFECTIONNEMENTS FAA AU SYSTEME PFN/TRAC<SP>MD</SP> POUR LE CONTROLE
RESPONSABLE A DISTANCE ET ROBOTIQUE POUR L'ELIMINATION DE L'UTILISATION
NON AUTORISEE D'AERONEFS ET POUR L'AMELIORATION DE LA GESTION
D'EQUIPEMENT ET DE LA SECURITE PUBLIQUE DANS LE DOMAINE DU TRANSPORT

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200329922 A2 20030410 (WO 0329922)

Application: WO 2002US30857 20021001 (PCT/WO US0230857)

Priority Application: US 2001325538 20011001; US 2001330085 20011019

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CZ

DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD

SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 133713

English Abstract

This invention, a Protected Primary Focal Node PFN is a Trusted Remote Activity Controller TRAC and mobile communication router platform that provides accountable remote and robotics control to transportation vehicles by interfacing with the vehicles E/E systems. It connects each vehicle either on the earth's surface or near the earth's surface with application specific intranets for air, sea and land travel, via either host commercial servers or agency providers through wireless communication gateways and then further interfaces these vehicles in a larger machine messaging matrix via wireless and IP protocols to further coordinate movement assess and manage equipment use and impact on the world resources, societies infrastructure and the environment. This filing focuses directly on PFN/TRAC System use to augment and upgrade public safety and security in the Airline Industry and restrict any unauthorized use of an aircraft. Additionally, this application and related filings teaches the PFN/TRAC System"sup"TM use for all vehicle platforms to increase safety and security in a free society like the United State of America. The other related filings instruct in the technology's use for robust and accountable remote control for personal applications, stationary equipment and standalone functions, and coordinates them and interfaces them within the communication matrix. The TRAC controller also performs translation and repeating functions across a wide variety of communication protocols to complete a more mobile flexible matrix or web. This connected communication matrix of computers

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and humans provides an enhanced Human Machine Interfacing HMI scenario both locally and systemically in real-time for improve equipment management and world stability.

French Abstract

La presente invention concerne un noeud focal primaire protege (PFN) qui est un controleur d'activites a distance de confiance (TRAC) et une plate-forme d'acheminement de communication mobile qui fournit le controle responsable a distance et robotique aux vehicules de transport par dialogue avec les systemes E-E des vehicules. Elle relie chaque vehicule soit sur la surface terrestre ou pres de la surface terrestre a des intranets specifiques d'applications pour le transport aerien, maritime et terrestre, via soit des serveurs hotes commerciaux ou des fournisseurs de mandataires a travers des passerelles de communication sans fil et effectue un interfacage additionnel de ces vehicules dans une matrice de messagerie plus vaste via des protocoles IP pour coordonner davantage des evaluations de deplacement et la gestion de l'utilisation d'equipement et l'impact sur les ressources mondiales, l'infrastructure des societes et l'environnement. La presente invention s'appuie directement sur le Systeme PFN/TRAC pour accroitre et ameliorer la securite publique et la securite dans l'industrie de l'aviation et limiter toute utilisation non autorisee d'un aeronef. En outre, cette invention et ses annexes preconisent l'utilisation du Systeme PFN/TRAC<SP>MD</SP> pour toutes les plates-formes des vehicules pour accroitre la surete et la securite dans une societe libre comme les Etats Unis d'Amerique. Les autres demandes annexes preconisent l'utilisation de la technologie pour le controle a distance strict et responsable pour des applications personnelles, un equipement fixe et des fonctions autonomes, et effectuent leur coordination et leur interfacage au sein de la matrice de communication. Le controleur TRAC effectue egalement la traduction et des fonctions repetitives a travers une large gamme de protocoles de communication pour realiser une matrice ou toile flexible plus mobile. Cette matrice de communication de connexion d'ordinateurs et d'etres humains fournit un scenario d'interface homme-machine (IHM) localement et systematiquement en temps reel pour ameliorer la gestion d'equipement et la stabilite dans le monde.

Legal Status (Type, Date, Text)

Publication 20030410 A2 Without international search report and to be republished upon receipt of that report.

29/5,K/2 (Item 2 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00828323 **Image available**

COMMUNICATIONS SYSTEM

SYSTEME DE TELECOMMUNICATIONS

Patent Applicant/Assignee:

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FI (Nationality), (For all designated states except: US)

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August 21, 2003

Patent and Priority Information (Country, Number, Date):

Patent: WO 200161899 A1 20010823 (WO 0161899)
Application: WO 2001EP1839 20010216 (PCT/WO EP0101839)
Priority Application: GB 20003892 20000218; FI 2000415 20000223; GB
200031296 20001221

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG
SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04J-003/16

International Patent Class: H04Q-007/22

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 14004

English Abstract

A communications system comprising a first station capable of communication with a second station over a wireless channel, data being carried over the wireless channel in superframes, each superframe comprising a plurality of frames and each frame comprising a plurality of timeslots; the system having: a first mode of operation in which a full rate data channel for circuit switched communications is defined by the allocation to that data channel of corresponding time slots in each frame; a second mode of operation in which two half rate data channels for circuit switched communications are defined by the allocation to each of those data channels of an equal number of corresponding time slots of frames in each superframe; and a third mode of operation in which four quarter rate data channels for circuit switched communications are defined by the allocation to each of those data channels of an equal number of corresponding time slots of frames in each superframe.

French Abstract

Ce systeme de telecommunications comprend une premiere station pouvant communiquer avec une seconde station sur une voie sans fil, des donnees etant portee sur la voie sans fil dans des supertrames dont chacune comprend plusieurs trames, chaque trame comprenant plusieurs creneaux temporaires. Ce systeme comporte: un premier mode de fonctionnement, dans lequel une voie de communication de donnees a plein debit, destinee a des telecommunications commutees par circuit, est definie par l'attribution, a cette voie de donnees, de creneaux temporaires dans chaque trame; un second mode de fonctionnement dans lequel deux voies de communication de donnees a demi debit, destinees a des telecommunications commutees par circuit, sont definies par l'attribution, a chacune de ces voies, d'un nombre egal de creneaux temporaires de trames, dans chaque supertrame; et un troisieme mode de fonctionnement dans lequel quatre voies de communication de donnees a quart de debit, destinees a des telecommunications commutees par circuit, sont definies par l'attribution, a chacune de ces voies, d'un nombre egal de creneaux temporaires de trames, dans chaque supertrame.

Legal Status (Type, Date, Text)

Publication 20010823 A1 With international search report.

Publication 20010823 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Fulltext Availability:

Claims

August 21, 2003

Claim

- ... translation of circuit mode
data to/from IP/User Datagram Protocol (UDP)/Real Time Protocol (RTP)
packets and translation of 04.08 signalling to/from some IP-based
signalling (e. g...application can be encapsulated into data packets of
certain transmission protocols. The Real Time Protocol (RTP) is an
example of a packet data protocol that can be used for applications which
do not tolerate
delays. The data blocks are encapsulated into RTP protocol packets by
placing the data blocks themselves into a payload of the packets and...
- ...Some protocols may need some
information also in the end of the protocol packet.
The RTP data packets may be transmitted using User Datagram Protocol
(UDP), which may be run on...
- ...the first data packet and then the content of the headers of the next
data packets is determined using the information of the headers of
the first data packet. For the protocol combination RTP /UDP/IP the
header stripping result typically contains at least the sequence number
(SN) of the RTP packet, the time stamp (TS) of the RTP packet and the
marker (M) bit of the RTP packet. It is possible that only a certain
offset of these needs to be transmitted...
- ...a network element on the other side of the radio access network can
reconstruct, the RTP /UDP/IP packets using the header stripping residue
and the transmitted payloads. Typically the protocol...each frame are
allocated to the data channel for circuit switched communications and the
data channel for packet switched communications. Alternatively ,
half or a quarter of the number of slots that are allocated to the data
...1 each layer of which includes different modes. The different modes of
each layer are identified below.
Packet data convergence protocol (PDCP)
Transparent with removal of RTP /UDP/IP header. Bearer services can be
transparent or non-transparent. Transparent services provide error...

29/5,K/3 (Item 3 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00769831 **Image available**

A THIN MULTIMEDIA COMMUNICATION DEVICE AND METHOD

DISPOSITIF DE COMMUNICATION MULTIMEDIA NON PROGRAMMABLE ET PROCEDE
CORRESPONDANT

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Patent Applicant/Inventor:

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RICHARDSON Tristan John, 21A Grafton Street, Cambridge CB1 1DS, GB, GB
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HOLLINGHURST Nicholas John, 6 Dalegarth, Hurst Park Avenue, Cambridge CB4
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Legal Representative:

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South, Oxford OX4 2RU, GB,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200103399 A2-A3 20010111 (WO 0103399)

Application: WO 2000GB2601 20000706 (PCT/WO GB0002601)

August 21, 2003

Priority Application: US 99142633 19990706

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG
SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04L-029/06

International Patent Class: H04L-012/64; H04M-007/00; G06F-017/60;
H04N-007/173

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 14363

English Abstract

A communication system and method comprises endpoint devices (10, 11), each of which has one or more audio transducers and a touch screen. The devices (10, 11) are connected by a network (12) providing non-dedicated communication paths to servers (14, 15). An application (16, 17) is resident in each of the servers (14, 15) and has the ability to affect the image displayed on at least part of the screen. The server (14, 15) performs signaling for controlling an audio connection between the devices (10, 11). The touch screen is interactive and is able to initiate the audio connection. The application (16, 17) allows the screen or each screen of devices (10, 11) participating in the audio connection to display the path of consecutive measured positions of a pointer on the screen from one or more of the connected devices (10, 11). The touch screen is able to display an image supplied by a remote server or other apparatus after the audio connection has been initiated.

French Abstract

L'invention concerne un systeme et un procede de communication comprenant des dispositifs (10, 11) d'extremite, comportant chacun un ou plusieurs transducteurs (23-26) audio et un ecran tactile (29, 31). Les dispositifs (10, 11) sont relies par un reseau (12) realisant des voies de communication non specialises aboutissant a des serveurs (14, 15). Une application (16, 17), qui reside sur chacun des serveurs (14, 15), permet d'agir sur l'image affichee sur une partie de l'ecran (29) au moins. Le serveur (14, 15) produit une signalisation pour la commande d'une connexion audio entre les dispositifs (10, 11). L'ecran tactile (29, 31), qui est interactif, est capable de lancer la connexion audio. L'application (16, 17) permet a l'ecran (29) ou a chaque ecran des dispositifs (10, 11) impliquees dans la connexion audio d'afficher le chemin constitue par les positions consecutives mesurees d'un pointeur (30) sur l'ecran (29) a partir d'un ou de plusieurs dispositifs connectes (10, 11). L'ecran (29) peut afficher une image fournie par un serveur hors site ou autre appareil apres lancement de la connexion audio.

Legal Status (Type, Date, Text)

Publication 20010111 A2 Without international search report and to be republished upon receipt of that report.

Examination 20010426 Request for preliminary examination prior to end of 19th month from priority date

Search Rpt 20010525 Late publication of international search report

Republication 20010525 A3 With international search report.

Fulltext Availability:

Claims

Claim

... some well known port (such as port number 5004) and are interpreted as

August 21, 2003

packets carrying **RTP** (Real Time Protocol). They are matched against a list of patterns specified by the server...

...to 4 channels). Packets from the same address might be distinguished by means of their **RTP** **SSRC** (Synchronization Source **identifier**), so that only **packets** from a single **SSRC** are assigned to one channel during any short period of time. Incoming packets assigned to a channel are then processed to remove **RTP** headers and decode the **RTP** Payload (that is, the specific encoding used to represent the audio stream in digital form ...

...to a maximum of 4096 samples in each. The buffer may, in conjunction with the **RTP** decoding procedures, provide some provision for the reordering of packets received outof-sequence, and for synthesizing samples to conceal a failure to receive one or more **packets** , based upon **analysis** of **RTP** sequence numbers or timestamps on the packets received. Samples from each receive buffer are mixed...

...Multi Frequency) tones. Outgoing samples are encoded using one of the payload encodings permitted for **RTP** , and placed in an **RTP** packet (124). Outgoing packets are transmitted on the network to a single (unicast or multicast...

...be routed. These functions are performed by the Server. Thus the audio packets may be **routed** directly from one Broadband Phone to **another** through the packet **switched network** ; or they may be sent via a gateway; or they may be sent via the...of video frames, for instance, MPEG-1 (Motion Picture Expert Group) video. video encoded using **RTP** . A video receiver able to decode only MPEG-1 T pictures would be able to...

...in VNC. It closes the connection as soon as it detects a protocol violation.

Audio **RTP**

Received on **UIDP** port 5004 (assigned to **RTP** flows by IANA (Internet Assigned Numbers Authority)), and transmitted by a **UIDP** socket bound to the same port number. In the **RTP** standard the implementation can receive and transmit G.711 ulaw and Alaw formats, and a simple AIDPCM (Adaptive Differential Pulse Code Modulation) compression format "DV14" as specified in the **RTP** basic audio/video profile.

Audio **RTCP**

RTCP (Real Time Control Protocol) is an end-to...

...endpoint equipment. It might be implemented by the device using **UDP** port number 5005.

Video **RTP**

A video format such as MPEG-1 Video embedded in **RTP** may be received on **UDP** port 5006 and displayed on the screen, overwriting parts of...

29/5,K/4 (Item 4 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00769821 **Image available**

A THIN MULTIMEDIA COMMUNICATION DEVICE AND METHOD

DISPOSITIF <= MAIGRE >= MULTIMEDIA DE COMMUNICATION ET PROCEDE

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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August 21, 2003

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Legal Representative:

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Oxford OX4 2RU, GB

Patent and Priority Information (Country, Number, Date):

Patent: WO 200103389 A1 20010111 (WO 0103389)
Application: WO 2000GB2602 20000706 (PCT/WO GB0002602)
Priority Application: US 99142633 19990706

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG
SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04L-012/64

International Patent Class: H04L-029/06

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 14353

English Abstract

A communication system and method comprises endpoint devices (10, 11), each of which has one or more audio transducers (23-26) and a touch screen (29, 31). The devices (10, 11) are connected by a network (12) providing non-dedicated communication paths to servers (14, 15). An application (16, 17) is resident in each of the servers (14, 15) and has the ability to affect the image displayed on at least part of the screen (29). The server (14, 15) performs signaling for controlling an audio connection between the devices (10, 11). The touch screen (29, 31) is interactive and is able to initiate the audio connection. The application (16, 17) allows the screen (29) or each screen of devices (10, 11) participating in the audio connection to display the path of consecutive measured positions of a pointer (30) on the screen (29) from one or more of the connected devices (10, 11). The screen (29) is able to display an image supplied by a remote server or other apparatus after the audio connection has been initiated.

French Abstract

La presente invention concerne un systeme de communication et un procede comprenant des dispositifs (10, 11) terminaux, chacun d'entre eux possedant un ou plusieurs transducteurs audio (23-26) et un ecran tactile (29, 31). Ces dispositifs (10, 11) sont connectes par un reseau (12) qui fournit des chemins de communication non specialises vers les serveurs (14, 15). Chacun des serveurs (14, 15) possede une application residante (16, 17) qui peut influencer l'image affichee sur au moins une partie de l'ecran (29). Le serveur (14, 15) effectue le signalement de facon a controler une connexion audio entre les dispositifs (10, 11). L'ecran tactile (29, 31) est interactif et peut lancer la connexion audio. L'application (16, 17) permet a l'ecran (29) ou a chaque ecran des dispositifs (10, 11) participant a la connexion audio d'afficher le chemin des positions consecutives d'un pointeur (30) mesurees sur l'ecran (29) d'un ou de plusieurs dispositifs (10, 11) connectes. L'ecran (29) peut afficher une image fournie par un serveur a distance ou par un autre appareil apres que la connexion audio a ete lancee.

Legal Status (Type, Date, Text)

Publication 20010111 A1 With international search report.

August 21, 2003

Publication 20010111 A1 Before the expiration of the time limit for
amending the claims and to be republished in the
event of receipt of amendments.
Examination 20010412 Request for preliminary examination prior to end of
19th month from priority date

Fulltext Availability:

Claims

Claim

... some well known port (such as port number 5004) and are interpreted as
packets carrying **RTP** (Real Time Protocol). They are matched against a
list of patterns specified by the server...

...to 4 channels). Packets from the same address might be distinguished by
means of their **RTP** SSRC (Synchronization Source **identifier**), so that
only **packets** from a single SSRC are assigned to one channel during any
short period of time. Incoming packets assigned to a channel are then
processed to remove **RTP** headers and decode the **RTP** Payload (that is,
the specific encoding used to represent the audio stream in digital form
...

...to a maximum of 4096 samples in each. The buffer may, in conjunction
with the **RTP** decoding procedures, provide some provision for the
reordering of packets received outof-sequence, and for synthesizing
samples to conceal a failure to receive one or more **packets** , based upon
analysis of **RTP** sequence numbers or timestamps on the packets
received. Samples from each receive buffer are mixed...

...Multi Frequency) tones. Outgoing samples are encoded using one of the
payload encodings permitted for **RTP** , and placed in an **RTP** packet
(124). Outgoing packets are transmitted on the network to a single
(unicast or multicast...

...be routed. These functions are performed by the Server. Thus the audio
packets may be **routed** directly from one Broadband Phone to **another**
through the packet **switched network** ; or they may be sent via a
gateway; or they may be sent via the...of video frames, for instance,
MPEG-1 (Motion Picture Expert Group) video-video encoded using **RTP** . A
video receiver able to decode only MPEG-1 T pictures would be able to...

...in VNC. It closes the connection as soon as it detects a protocol
violation.

Audio **RTP**

Received on UDP port 5004 (assigned to **RTP** flows by IANA (Internet
Assigned Numbers Authority)), and transmitted by a UDP socket bound to
the same port number. In the **RTP** standard the implementation can
receive and transmit G.711 ulaw and Alaw formats, and a simple ADPCM
(Adaptive Differential Pulse Code Modulation) compression format "DV14"
as specified in the **RTP** basic audio/video profile.

Audio **RTCP**

RTCP (Real Time Control Protocol) is an end-to...

...endpoint equipment. It might be implemented by the device using **UIDP**
port number 5005.

Video **RTP** .

A video format such as MPEG-1 Video embedded in **RTP** may be received on
UIDP port 5006 and displayed on the screen, overwriting parts of...

29/5,K/5 (Item 5 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00769820 **Image available**

A THIN MULTIMEDIA COMMUNICATION DEVICE AND METHOD

PROCEDE ET DISPOSITIF DE COMMUNICATION MULTIMEDIA DU TYPE CLIENT MAIGRE

August 21, 2003

Patent Applicant/Assignee:

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HARTER Andrew Charles, Berry Cottage, 7 West Street, Comberton, Cambridge
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)

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200103388 A1 20010111 (WO 0103388)
Application: WO 2000GB2587 20000706 (PCT/WO GB0002587)
Priority Application: US 99142633 19990706

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG
SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04L-012/64

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 13773

English Abstract

A communication system and method comprises endpoint devices (10, 11), each of which has one or more audio transducers (23-26) and a touch screen (29, 31). The devices (10, 11) are connected by a network (12) providing non-dedicated communication paths to servers (14, 15). An application (16, 17) is resident in each of the servers (14, 15) and has the ability to affect the image displayed on at least part of the screen (29). The server (14, 15) performs signalling for controlling an audio connection between the devices (10, 11). The touch screen (29, 31) is interactive and is able to initiate the audio connection. The application (16, 17) allows the screen (29) or each screen of devices (10, 11) participating in the audio connection to display the path of consecutive measured positions of a pointer (30) on the screen (29) from one or more of the connected devices (10, 11). The screen (29) is able to display an image supplied by a remote server or other apparatus after the audio connection has been initiated.

French Abstract

L'invention concerne un procede et un systeme de communication comprenant des dispositifs d'extremite (10,11) dotes chacun d'un ou plusieurs transducteurs audio (23-26) et d'un ecran tactile (29, 31). Lesdits dispositifs (10, 11) sont connectes par un reseau (12) fournissant des voies de communication non specialisees aux serveurs (14, 15). Une application (16, 17) reside dans chaque serveur (14, 15) et a la capacite de modifier l'image affichee sur au moins une partie de l'ecran (29). Le serveur (14, 15) assure la signalisation pour la commande d'une connexion audio entre les dispositifs (10, 11). L'ecran tactile (29, 31) est interactif et peut declencher la connexion audio. L'application (16, 17)

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permet a l'ecran (29) ou a chaque ecran des dispositifs (10, 11) participant a la connexion audio, d'afficher le chemin des positions mesurees consecutives d'un pointeur (30) sur l'ecran (29) a partir d'au moins un dispositif connecte (10, 11). L'ecran (29) est capable d'afficher une image fournie par un serveur eloigne ou un autre appareil une fois la connexion audio declenchee.

Legal Status (Type, Date, Text)

Publication 20010111 A1 With international search report.

Publication 20010111 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.

Examination 20010510 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:

Claims

Claim

... some well known port (such as port number 5004) and are interpreted as packets carrying **RTP** (Real Time Protocol). They are matched against a list of patterns specified by the server...

...to 4 channels). Packets from the same address might be distinguished by means of their **RTP** SSRC (Synchronization Source **identifier**), so that only **packets** from a single SSRC are assigned to one channel during any short period of time. Incoming packets assigned to a channel are then processed to remove **RTP** headers and decode the **RTP** Payload (that is, the specific encoding used to represent the audio stream in digital form ...

...to a maximum of 4096 samples in each. The buffer may, in conjunction with the **RTP** decoding procedures, provide some provision for the reordering of packets received outof-sequence, and for synthesizing samples to conceal a failure to receive one or more **packets** , based upon **analysis** of **RTP** sequence numbers or timestamps on the packets received. Samples from each receive buffer are mixed...

...Multi Frequency) tones. Outgoing samples are encoded using one of the payload encodings permitted for **RTP** , and placed in an **RTP** packet (124). Outgoing packets are transmitted on the network to a single (unicast or multicast...

...be routed. These functions are performed by the Server. Thus the audio packets may be **routed** directly from one Broadband Phone to **another** through the packet **switched network** ; or they may be sent via a gateway; or they may be sent via the...of video frames, for instance, MPEG-1 (Motion Picture Expert Group) video-Video encoded using **RTP** . A video receiver able to decode only MPEG-1 T pictures would be able to...

...in VNC. It closes the connection as soon as it detects a protocol violation.

Audio **RTP**

Received on UDP port 5004 (assigned to **RTP** flows by IANA (Internet Assigned Numbers Authority)), and transmitted by a UDP socket bound to the same port number. In the **RTP** standard the implementation can receive and transmit G.711 ulaw and Alaw formats, and a simple ADPCM (Adaptive Differential Pulse Code Modulation) compression format "DV14" as specified in the **RTP** basic audio/video profile.

Audio RTCP

RTCP (Real Time Control Protocol) is an end-to...

...endpoint equipment. It might be implemented by the device using UDP port number 5005.

Video **RTP**

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A video format such as MPEG-1 Video embedded in RTP may be received on UDP port 5006 and displayed on the screen, overwriting parts of...

29/5,K/6 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00769819 **Image available**

A THIN MULTIMEDIA COMMUNICATION DEVICE AND METHOD

DISPOSITIF <= MAIGRE >= MULTIMEDIA DE COMMUNICATION ET PROCEDE

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SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

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Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 14082

English Abstract.

A communication system and method comprises endpoint devices (10, 11), each of which has one or more audio transducers (23-26) and a touch screen (29, 31). The devices (10, 11) are connected by a network (12) providing non-dedicated communication paths to servers (14, 15). An application (16, 17) is resident in each of the servers (14, 15) and has the ability to affect the image displayed on at least part of the screen (29). The server (14, 15) performs signaling for controlling an audio connection between the devices (10, 11). The touch screen (29, 31) is interactive and is able to initiate the audio connection. The application (16, 17) allows the screen (29) or each screen of devices (10, 11) participating in the audio connection to display the path of consecutive measured positions of a pointer (30) on the screen (29) from one or more of the connected devices (10, 11). The screen (29) is able to display an image supplied by a remote server or other apparatus after the audio connection has been initiated.

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French Abstract

La presente invention concerne un systeme de communication et un procede comprenant des dispositifs (10, 11) terminaux, chacun d'entre eux possedant un ou plusieurs transducteurs audio (23-26) et un ecran tactile (29, 31). Ces dispositifs (10, 11) sont connectes par un reseau (12) qui fournit des chemins de communication non specialises vers les serveurs (14, 15). Chacun des serveurs (14, 15) possede une application residante (16, 17) qui peut influencer l'image affichee sur au moins une partie de l'ecran (29). Le serveur (14, 15) effectue le signalement de facon a controler une connexion audio entre les dispositifs (10, 11). L'ecran tactile (29, 31) est interactif et peut lancer la connexion audio. L'application (16, 17) permet a l'ecran (29) ou a chaque ecran des dispositifs (10, 11) participant a la connexion audio d'afficher le chemin des positions consecutives d'un pointeur (30) mesurees sur l'ecran (29) d'un ou de plusieurs dispositifs (10, 11) connectes. L'ecran (29) peut afficher une image fournie par un serveur a distance ou par un autre appareil apres que la connexion audio a ete lancee.

Legal Status (Type, Date, Text)

Publication 20010111 A1 With international search report.

Publication 20010111 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.

Examination 20010503 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:

Claims

Claim

... from the same address might be distinguished by means of their IRTSP SSRC (Synchronization Source **identifiant**), so that only **packets** from a single SSIRC are assigned to one channel during any short period of time

...to a maximum of 4096 samples in each. The buffer may, in conjunction with the **RTP** decoding procedures, provide some provision for the reordering of packets received outof-sequence, and for synthesizing samples to conceal a failure to receive one or more **packets**, based upon **analysis** of **RTP** sequence numbers or timestamps on the packets received. Samples from each receive buffer are mixed...

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Audio RTCP

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...endpoint equipment. It might be implemented by the device using UDP port number 5005.

Video **RTP**

A video format such as MPEG-1 Video embedded in **RTP** may be received on UDP port 5006 and displayed on the screen, overwriting parts of...